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**AUTISTIC ONTOLOGY
& OPERATOR ARCHITECTURE**

TIMOTHY SPEED

OPERATORIC RESEARCH CORPUS - STUDIES IN WORLD-FORMATION

**Operatoric Research Corpus
Studies in World-Formation**

Section IV

Neurodivergent Epistemology

Volume 7

**Autistic Ontology & Operator
Architecture**

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Autistic Ontology & Operator Architecture

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Abstract

This volume brings together four contributions that address a shared question: under which ontological and epistemic conditions do different forms of human world-constitution arise, and what role does neurodivergent cognition play within this process. The point of departure is the observation that contemporary autism research largely operates under an implicit assumption: that all humans inhabit the same ontological ground and that differences appear primarily at the level of cognitive traits, information processing, or social abilities.

The contributions collected here systematically question this assumption. They develop the thesis that autistic and neurotypical modes of world-constitution are grounded in different operator logics. From this perspective, autistic cognition does not appear as a variation within a shared ontology but as a distinct epistemic position characterized by increased access to non-integrated structural relations of reality.

On this basis, several theoretical steps are developed. First, the concept of **autistic ontology** shows that differences between autistic and neurotypical subjects are not primarily communicative or cognitive deviations but arise from divergent modes of world-stabilization. Second, the **Rosetta Operator** formulates an invariant operator system describing processes of difference, tension, indimergence, and emergence as fundamental structures of reality formation. This framework connects multiple domains—including consciousness research, economic theory, and neurodivergence—within a common structural model.

Third, the concept of **operatoric cognition** introduces a non-representational form of intelligent world-relation that operates not primarily through symbols or meanings but through dynamic transitions, topological tensions, and emergent processes of form generation. Finally, the concept of **veridical mapping** is interpreted as an epistemic consequence of this architecture: an access to pre-symbolic structural relations that remains more directly available in certain neurodivergent cognitive configurations than in neurotypical forms of perception stabilized early through symbolic integration.

The volume thus proposes a shift in the theoretical framing of neurodivergent cognition. Instead of describing autism through deficit-oriented accounts of individual traits, it interprets autistic cognition as an epistemic boundary position within the open process of world-stabilization. In this perspective, autism becomes relevant not only for cognitive science but also for epistemology and the philosophy of science, as it reveals alternative modes of world-access that challenge representational models of knowledge.

The concepts developed in this volume are not presented as a final theory but as a structural framework intended to integrate previously fragmented models of autism research while opening a broader perspective on the conditions of knowledge, perception, and reality formation.

Keywords: autistic ontology, autistic epistemology, neurodivergent epistemology, neurodivergence, autism theory, philosophy of autism, ontology of cognition, philosophy of mind, consciousness studies, operatoric cognition, Rosetta Operator, veridical mapping, operator theory of cognition, MNO theory, submergence indimergence emergence, structural invariance, non-representational cognition, embodied cognition, enactivism, phenomenology of perception, structural realism, epistemology of perception, neurodivergent knowledge production, cognitive architecture, ontological pluralism, world constitution, world formation, structural perception, pattern recognition cognition, savant cognition, invariance detection, epistemic architecture, non-symbolic cognition, cognitive diversity, neurodivergent science, alternative epistemology, philosophy of neurodiversity

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Introduction to Section IV - *Neurodivergent Epistemology*

This section of the *Operatoric Research Corpus* investigates neurodivergence as an epistemic and ontological boundary domain within processes of world-formation. While previous sections of the corpus developed the operator-based framework primarily in relation to physics, ontology, and institutional structures, the present section turns to neurodivergent cognition as a particularly revealing field in which alternative modes of world-relation become visible.

Contemporary research on autism, ADHD, and related forms of neurodivergence has produced an extensive body of empirical knowledge. Concepts such as masking, camouflaging, sensory processing differences, predictive-processing variations, or the Double Empathy Problem have significantly advanced the understanding of neurodivergent experience. Yet most of these approaches share a common assumption: that neurodivergent and neurotypical cognition operate within a single underlying ontological framework and differ primarily at the level of cognitive traits, information processing styles, or social interaction patterns.

The contributions collected in this section challenge this assumption. They explore the possibility that neurodivergent cognition may not merely represent a variation within a shared cognitive architecture but may instead arise from distinct operator structures of world-constitution. From this perspective, differences between neurodivergent and neurotypical experience cannot be fully explained in psychological or behavioral terms alone. They reflect deeper divergences in the ways perception, meaning, time, and reality itself become stabilized.

The three volumes of this section address this problem from complementary perspectives.

Volume 7 develops the ontological and operator-architectural foundations of neurodivergent cognition. It introduces the concepts of autistic ontology, operatoric cognition, and veridical mapping as structural descriptions of a non-representational mode of world-relation.

Volume 8 examines the existential and institutional consequences of this divergence. Through analyses of masking, diagnostic misrecognition, and the temporal conflicts expressed in the concept of *Eigenzeit*, it shows how neurodivergent forms of world-binding encounter structural incompatibilities with the stabilizing mechanisms of modern institutions.

Volume 9 turns to the epistemic implications of these architectures. It develops the concept of autistic epistemology as a distinct mode of knowledge production and examines phenomena such as savant cognition, synesthetic perception, and artistic research as possible manifestations of non-representational knowledge practices.

Taken together, the volumes of this section pursue a broader aim: to investigate neurodivergence not only as a clinical or psychological phenomenon but as a structural vantage point from which the epistemic limits of representational models of knowledge become visible. Neurodivergent cognition appears in this context less as a deviation from a normative cognitive architecture than as a boundary condition of human knowledge itself.

In this sense, Section IV contributes to a central hypothesis of the *Operatoric Research Corpus*: that reality, knowledge, and social order are not stabilized through a single universal architecture but emerge through multiple, partially incompatible modes of world-relation. Neurodivergence thus becomes analytically relevant not only for autism research or cognitive science, but for broader questions concerning ontology, epistemology, and the conditions under which human worlds can coexist.

Introduction

Research on autism and neurodivergence has produced a wide range of theoretical models over recent decades. These include, among others, monotropism, the hyper-systemizing theory, intense-world approaches, variants of predictive processing, as well as concepts such as veridical mapping and empirical descriptions of savant phenomena. Each of these approaches captures certain aspects of neurodivergent perception and cognition. Yet they often remain theoretically fragmented. They explain particular phenomena without clarifying the structural conditions under which these phenomena arise in the first place.

A shared implicit assumption underlying many of these models is that neurodivergent cognition operates within an already stabilized world. Differences are therefore interpreted as variations in information processing, stimulus weighting, or social interaction patterns. The possibility that these differences might originate at the level of ontological world-constitution itself is rarely examined in a systematic manner.

The present volume begins precisely at this point. The contributions collected here explore the hypothesis that neurodivergent and neurotypical modes of relating to the world may not merely represent different cognitive styles within the same reality, but may instead be grounded in different operator structures of reality formation. From this perspective, autistic perception and knowledge appear not primarily as variations within a shared epistemic system, but as expressions of a distinct position within the process through which world becomes stabilized.

This shift of perspective alters the focus of analysis. Rather than isolating individual cognitive traits, attention is directed toward the structural dynamics through which world itself becomes stabilized. In this context, processes of difference formation, tension, transitional states, and emergence play a central role. The concepts developed in this volume describe these dynamics not as psychological attributes of individuals but as general operator structures within which different forms of perception, knowledge, and social organization may arise.

The four contributions in this volume develop this line of inquiry from different perspectives.

The first contribution develops the concept of an **autistic ontology**, arguing that autistic and neurotypical relations to the world are grounded in different modes of reality constitution. Instead of presupposing a shared ontological foundation, the analysis proposes a plurality of operator architectures through which world can be constituted.

The second contribution introduces the **Rosetta Operator**, an invariant structural model that describes processes of difference, tension, indimergence, and emergence as fundamental

mechanisms of reality formation. This model functions as a translational framework that connects different theoretical domains—including consciousness research, social theory, and neurodivergence—within a common structural perspective.

The third contribution develops the concept of **operatoric cognition**, describing a non-representational form of intelligent world-relation. In this model, knowledge does not primarily arise through symbolic representation or inferential processing, but through dynamic transitions within fields of structural tension.

The fourth contribution finally reinterprets the phenomenon of **veridical mapping**, well known in autism research, as an epistemic consequence of this architecture. Veridical mapping is not treated as an isolated cognitive ability, but as an expression of access to structural relations that are integrated symbolically at an early stage within neurotypical forms of world-stabilization.

Taken together, the contributions in this volume develop a theoretical framework in which neurodivergent cognition is no longer described primarily as a deviation from a normative cognitive architecture. Instead, it is understood as a possible epistemic position within an open process of world-formation. In this perspective, autism becomes relevant not only for clinical or psychological research but also for epistemology and the philosophy of science, as it highlights alternative modes of world-access that challenge representational models of knowledge.

The volume therefore does not present itself as a final theory. Rather, it proposes a structural research program aimed at making visible the ontological assumptions underlying current models of autism research, overcoming their fragmentation, and opening a perspective in which different forms of human cognition can be investigated as real variations of world-relation.

This volume forms the neurodivergent epistemology section of the Operatoric Research Corpus. While earlier volumes develop the ontological and physical foundations of the operator model, the present volume investigates its cognitive architecture. Autism is not treated as a clinical condition but as a structural access point to a non-representational mode of knowledge production.

Autistic Ontology: Why Autistic Embodiment Reveals an Incommensurability Between Modes of Reality

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ABSTRACT

Autism is not a deviation within a shared human ontology, but a distinct mode of world-constitution with its own epistemic and ontological grounding. This paper argues that autistic and non-autistic cognition are anchored in fundamentally different operator logics of reality formation. These differences arise not at the level of interpretation or behavior, but at the level of primary ontological structure. Drawing upon the MNO-theoretical operator model developed in *The Physics of the Poor* (Speed 2016/2025), as well as phenomenological analyses from *They Cannot Understand* (Speed 2025), I contend that autistic reality formation is an internally coherent, fidelity-driven, non-representational mode of world-construction. Neurotypical reality, in contrast, is structured through representational abstraction and normativity.

Autistic–non-autistic misunderstanding therefore emerges not from communicative gaps, but from ontological incommensurability. To participate in neurotypical sociality, autistic individuals must abandon their primary operator mode and adopt an imposed representational ontology. I introduce the term *Seinsverschiebung* (ontological displacement) to describe this forced ontological transition. Masking is the behavioral manifestation of this displacement; burnout and shutdown are physiological responses to ontological instability.

Autism does not distort reality; it reveals that human reality is plural rather than singular.

1. INTRODUCTION

Contemporary autism research is built upon an implicit assumption: that autistic and non-autistic individuals inhabit the same ontological ground, and that differences between them arise from diverging cognitive, communicative, or social processes. Within this framework, autism is framed either as a medical deficit, a neurological divergence, or a mismatch between individual variation and societal norms. Even Critical Autism Studies (CAS), despite its reframing of autism as a site of epistemic injustice, often leaves intact the assumption of a single shared human ontology.

This paper challenges that foundational assumption.

I argue that autism constitutes a distinct ontological mode of being-in-the-world. Autistic reality is constructed through direct sensory coupling, structural fidelity, and minimal

representational mediation. Neurotypical reality is constructed through symbolic abstraction, normative stabilization, and socially coordinated coherence. The conflict between these modes arises not from failed communication or social misunderstanding, but from incompatible ontological architectures.

Autistic–non-autistic interaction therefore becomes a site of ontological negotiation. When autistic individuals enter neurotypical social environments, they are compelled to abandon their primary grounding in perceptual reality and adopt a representational mode foreign to their own. This is not adaptation but ontological coercion. I term this process *Seinsverschiebung*: the displacement of one’s fundamental mode of being into an externally imposed ontology.

The stakes of this argument extend beyond autism research. If autism reveals the plurality of human ontologies, then many foundational assumptions in philosophy of mind, cognitive science, phenomenology, and social theory must be reconsidered. Autism is not simply a category within a shared human world; it is evidence that human worlds themselves differ.

The term ontology is used here not in a metaphysical sense but in an operational-architectural one: it designates the operator-level structures through which a subject constitutes and stabilizes world-relations. In this framework, autistic and non-autistic ontologies differ not as metaphysical doctrines but as distinct architectures of sense-making.

2. BACKGROUND AND RELATED WORK

2.1 Traditional Autism Models

Traditional medicalized accounts of autism conceptualize autistic traits as deficits relative to neurotypical norms. These models implicitly assume neurotypical cognition as a reference ontology, rendering autistic cognition an impaired variant of the same structure. This assumption is not merely incorrect— it is ontologically violent, as it denies autistic world-construction its legitimacy.

2.2 Critical Autism Studies

CAS has reframed autism through the lens of epistemic injustice (Fricker 2007; Chapman 2021). The Double Empathy Problem (Milton 2012) identifies reciprocal misunderstanding between autistic and non-autistic people, but leaves unexplained why this misunderstanding persists even under conditions of goodwill and shared intention. This gap points to deeper ontological divergence.

2.3 Enactivism and Embodied Cognition

Enactivist models (Varela et al. 1991; De Jaegher & Di Paolo 2007) describe cognition as world-involving, embodied, and relational. These frameworks resonate strongly with autistic phenomenology, which reveals cognition grounded in direct structural coupling rather than representational inference. Yet enactivism rarely addresses the possibility of multiple coexisting ontologies.

Incommensurability, as used here, does not imply communicative impossibility or conceptual isolation. It denotes asymmetrical operator-constraints: autistic and neurotypical subjects can communicate, but only through continuous ontological translation work. The friction, fatigue, and chronic mis-attunement reported by autistic individuals are not signs of communicative deficit but of ongoing operator conversion under incompatible world-conditions. The term therefore marks structural divergence, not hermetic separation.

Established explanatory frameworks for autistic experience — sensory processing accounts, predictive-processing theories, executive-function differences, and social-pragmatic models — each illuminate partial aspects of autistic life. None, however, address the structural conditions under which sense-making itself becomes possible or impossible. The present argument does not reject these models; instead, it situates them within a deeper operator-architectural divergence. Sensory overload, for instance, is not merely a perceptual issue but an operator boundary-condition: a collapse of stabilisation under incompatible world-constraints. Predictive-processing differences are likewise interpretable as shifts in operator priority. In this sense, ontological divergence is not an alternative to existing accounts, but the structural layer that makes them intelligible.

While this analysis identifies operator-level tendencies characteristic of autistic experience, individual variation remains considerable. The ontological divergence proposed here describes a modal pattern rather than a uniform or universal condition. Autistic subjects differ in thresholds, sensitivities, stabilisation strategies, and degrees of susceptibility to environmental coercion. The account developed here therefore addresses structural tendencies, not categorical absolutes.

Successful autistic–neurotypical communication occurs when ontological translation work is reduced or temporarily suspended. This generally requires explicitness, lowered sensory and social load, extended processing time, and environments that do not impose neurotypical stabilisation demands. Under such conditions, operator constraints align more closely, allowing interaction that is not structurally extractive or cumulatively destabilising.

2.4 Phenomenological Accounts

Phenomenology introduces the idea that perception is active structuring rather than passive reception. Autistic perception, however, is seldom analyzed as a distinctive phenomenological stance. The present paper fills this gap by framing autistic experience as an ontologically distinct mode of world-constitution.

The form of argument deployed here is structural rather than empirical-deductive. It identifies the operator-conditions under which certain experiential patterns necessarily arise. The reasoning is therefore neither circular nor inductive: the phenomena do not “prove” the ontology; rather, the ontology renders the phenomena intelligible by articulating their structural preconditions. This mode of analysis belongs to the family of transcendental-phenomenological arguments, not hypothesis-driven empirical science.

3. METHODOLOGICAL FRAMEWORK

This paper develops a structural–phenomenological analysis rather than an empirical-deductive study. Its aim is to articulate the operator-level conditions under which autistic and neurotypical worlds diverge, stabilise, or collapse. The method follows the tradition of embodied, first-person, and enactive phenomenology, extending it through an operator-architectural lens grounded in autistic cognitive experience.

Methodological Note.

The present analysis does not aim at empirical generalisation and does not follow the conventions of qualitative psychological research. The examples offered in Section 4 function as *phenomenological vignettes* rather than as “cases” in the empirical sense. Their purpose is not to represent a population but to disclose structurally revealing configurations of experience that allow operator-level dynamics to become analytically visible. This is consistent with phenomenological traditions (Husserl; Merleau-Ponty; Zahavi) and with autistic first-person methodologies, where the central aim is *structural disclosure* rather than inductive proof.

Definition of Operator.

An *operator* refers to the procedural rule-set through which a subject constitutes and stabilises world-relations. It is neither a mental representation nor a metaphor, but the enacted logic by which sense-making coheres under environmental pressure. Operator architectures determine which affordances appear salient, which perturbations destabilise cognition, and how experiential patterns consolidate or collapse. Different operator configurations therefore yield different phenomenological worlds, even under identical external conditions.

Autistic methodology operates through four key tendencies:

1. **Perceptual fidelity:** a heightened resistance to smoothing or interpretive normalization of incoming information.
2. **Hyperspecificity:** a fine-grained, detail-sensitive mode of attunement that resists abstraction toward generic categories.
3. **Pattern attunement:** a sensitivity to structural invariants, environmental regularities, and deep relational configurations.
4. **Non-representational immediacy:** sense-making grounded in direct environmental coupling rather than symbolic mediation.

This non-representational orientation aligns methodologically with contemporary non-representational cognitive science (e.g., Gallagher; Hutto; Chemero), which similarly emphasises direct organism–environment coupling over internal intermediary representations, though in the autistic case these operator dynamics appear significantly more structurally pronounced.

Together, these tendencies constitute a methodological stance that is not merely epistemic but *ontological*: they shape how worlds are constituted, not merely how they are perceived. The methodological framework thus reflects the same operator-architectural divergence that the theory seeks to describe.

4. FINDINGS

4.1 Autism as a Mode of Reality

Autistic reality emerges through direct engagement with the world. Structures are not inferred; they are encountered. The autistic mind stabilizes reality by leaning into sensory fidelity and precise coupling rather than smoothing irregularities via social expectation or representational filtering. This mode of reality construction is coherent on its own terms and reveals a fidelity-centered ontology.

4.2 Divergence in Ontological Architecture

Neurotypical world-constitution is typically characterised by strong representational smoothing, rapid categorisation, and automatic inferential compression. Perceptual fields are stabilised through coarse-grained abstraction: environmental variation is filtered into socially functional categories (“friendly,” “neutral,” “uncertain”) rather than maintained at high fidelity. This filtering produces a world that is experientially coherent, low in perturbation, and highly supportive of fast social coordination. Normative expectations, conversational conventions, and shared scripts operate as background stabilisers, reducing cognitive load through habituation. What appears to autistic subjects as an unstable or contradictory field is, for neurotypical subjects, a pre-organised landscape of affordances that rarely threatens operator collapse.

Neurotypical cognition constructs reality through the triangulation of

- representational abstraction,
- normative stabilisation,
- social coordination.

Autistic cognition constructs reality through

- direct structural coupling,
- fidelity-driven processing,
- non-normative attunement.

These architectures differ in their fundamental logic. The neurotypical mode prioritises coherence *across individuals*; the autistic mode prioritises coherence *within the structure of reality itself*.

Ontological divergence therefore operates not only at the individual level but at the field level.

In social environments, the neurotypical ontology functions as a *field operator*: institutions, spatial arrangements, temporal rhythms, communicative norms, and evaluative criteria are organised in ways that stabilise neurotypical patterns while suppressing high-fidelity or non-representational forms of sense-making. From an MNO perspective, such fields act as ontological filters: dimensions of autistic complexity that do not fold into the dominant object-logic fail to appear as meaningful phenomena. What cannot be rendered through representational or normative smoothing becomes structurally invisible.

This produces a characteristic displacement effect: the autistic subject is pushed toward the edge of the field geometry, where their reality appears only as noise, excess, or deviation. In MNO terms, this is an *absence through the object*: a field order fixed by things and objects renders invisible whatever cannot be absorbed into its representational stabilisation. Seinsverschiebung (Shift of being) is therefore not merely an internal operator conversion but the systemic non-representability of autistic complexity within dominant world-fields.

4.3 Exist or Be Understood — But Not Both

Autistic individuals face an ontological double bind: to be understood within neurotypical frameworks requires suppressing the operator mode that makes autistic reality coherent. Autistic selfhood is grounded in unmediated attunement to reality; neurotypical understanding requires mediated representation. These modes are structurally incompatible.

4.4 Limits of the Double Empathy Problem

Milton's Double Empathy Problem identifies bidirectional misunderstanding but does not articulate the ontological mechanism. The mechanism proposed here is divergence in operator-level world-constitution. Understanding fails not due to lack of empathy but due to incompatible ontological premises.

4.5 AUTISTIC EPISTEMOLOGY

Autistic epistemology constitutes a distinct mode of knowing grounded not in abstraction or consensus but in fidelity, invariance, and embodied attunement. Unlike neurotypical epistemology—which relies on norm-driven interpretive filtering—autistic cognition treats perceptual contact with the world as primary rather than derivative. Information is not reconstructed through symbolic categories but apprehended directly as structure.

This epistemic mode prioritizes:

- structural accuracy over social coherence,
- invariance over generalization,
- direct coupling over representational mediation.

Autistic knowledge is therefore not a variation of neurotypical knowledge but an alternative epistemic regime. Attempts to evaluate autistic cognition by neurotypical criteria commit a category error: they apply a representational standard to a non-representational system. This misalignment underlies much of the epistemic injustice described in *Critical Autism Studies*.

4.6 ONTOLOGICAL DISPLACEMENT (SEINSVERSCHIEBUNG)

Seinsverschiebung refers to the forced transition from an individual's primary ontological mode into an imposed, socially dominant one. In autistic life, this occurs when neurotypical environments compel the adoption of representational abstraction and normative coherence, even when these contradict the autistic mode of reality formation.

Masking is the behavioral surface of this displacement. Burnout and shutdown are its physiological consequences, resulting from prolonged ontological instability rather than emotional weakness or cognitive overload.

Case Example (Formalized):

An autistic subject reported that participating in workplace meetings required suppressing direct sensory processing in favor of representational framing. This produced a split between experienced reality and the socially enforced ontology. Over time, the subject experienced derealization, sensory fragmentation, and eventual collapse—consistent with ontological overload rather than psychological dysfunction.

4.7 MNO-Theory and Operator Collapse

The operator-level divergence that distinguishes autistic and neurotypical world-relations can be further clarified by the cyclic dynamics described in MNO-Theory. MNO refers to three operator-phases — **Submergence**, **Indimergence**, and **Emergence** — which articulate how sense-making modulates under conditions of overload, instability, or reconfiguration.

Submergence designates the phase in which environmental pressures overwhelm the subject's stabilisation capacities. The subject becomes absorbed into incompatible world-conditions, losing operator coherence as external demands exceed available processing channels.

Indimergence marks the critical threshold at which the operator architecture destabilises. Boundaries become permeable, priorities collapse, and the subject's world loses its continuity. This phase is neither breakdown nor adaptation but the liminal zone in which a new configuration becomes necessary.

Emergence denotes the re-establishment of coherence under a revised operator configuration. Stability returns, but only through a transformation in the subject's relation to the environment — new priorities, new thresholds, new structural couplings. Emergence is not a "return to baseline"; it is the formation of a different world.

These phases are not metaphysical categories but **architectural descriptors**: they capture how sense-making reorganises when confronted with incompatible environmental constraints. Their relevance for autism lies in the significantly altered thresholds at which submergence is triggered, indimergence sustained, and emergence forced. Autistic subjects often encounter submergence in environments that remain stable for neurotypical subjects, not because of sensory "oversensitivity" alone, but because the operator architecture itself is differently configured.

This model makes visible the structural dynamics underlying autistic shutdowns, overwhelm, cognitive fragmentation, and the need for highly controlled environments. What appears clinically as “meltdown,” “burnout,” or “overload” is, at the operator level, a forced traversal of the MNO cycle. Neurotypical stabilisation patterns can often prevent submergence through coarse-grained smoothing mechanisms; autistic operators, by contrast, tend toward fidelity-driven processing, which collapses earlier when confronted with incompatible demands.

Why the ontological account is necessary.

MNO-Theory reveals why sensory, cognitive, affective, and social differences in autism systematically co-occur and reinforce each other. Partial explanatory models isolate one domain — sensory overload, predictive processing, executive function — but none explain their coordinated instability. The operator-architectural framework shows that these domains are not independent deficits but *expressions of a single underlying world-constitution*. Ontological divergence therefore provides the structural layer that renders heterogeneous autistic phenomena intelligible as manifestations of one coherent operator logic.

Under this view, autistic distress in neurotypical environments is not merely a sensory reaction, not merely a cognitive limitation, and not merely a social mismatch — it is an operator-level destabilisation forced by world-conditions built on a different ontological architecture. MNO-Theory thus frames autistic overwhelm not as pathology but as a predictable effect of ontological misalignment.

4.8 EMPIRICAL AND PHENOMENOLOGICAL EVIDENCE

Autistic phenomenology reveals consistent structural patterns across subjects:

The following case vignettes are not empirical case studies in the clinical or psychological sense, but phenomenological examples. Some are based on autobiographical experience, others are condensed composite cases drawn from long-term field observation. Their purpose is to illustrate operator-level structural patterns, not to provide statistical representativeness or empirical completeness.

Case Example 1 : Operator Destabilisation in Social Interaction

During a routine team meeting, an autistic researcher (Subject A) described the conversational environment as a rapidly shifting field of sensory and relational fragments: overlapping voice timbres, subtle changes in posture, micro-expressions, the resonance of the room’s acoustics, the rhythmic fluctuations of group attention. Each element arrived with equal salience. No automatic filtering occurred; instead, every micro-variation demanded incorporation into an already saturated field.

To contribute verbally, Subject A reported having to suppress this high-fidelity perceptual field and actively translate sensory patterns into conceptual categories legible to neurotypical participants—“annoyed,” “uncertain,” “supportive,” “impatient.” This translation required continuous dual-processing: one stream tracking environmental structure at unfiltered resolution, another generating the socially acceptable representational layer the group expected.

After approximately 45 minutes, the translation process became unsustainable. Subject A described “being pulled out of my world into theirs,” accompanied by derealization, increasing fragmentation, and a sense of perceptual drift. The collapse did not arise from emotional overwhelm but from operator destabilisation: the incompatibility between fidelity-driven processing and representational social demands forced a traversal of the Submergence–Indimergence cycle. What neurotypical participants experienced as a minor, routine meeting corresponded for Subject A to a progressive breakdown of world-coherence.

Case Example 2:

During a social interaction, an autistic individual reported needing to pre-translate sensory impressions into socially legible representations. This produced latency, cognitive strain, and a sense of ontological dislocation. The subject described the experience as “stepping out of my world into theirs,” aligning directly with the concept of *Seinsverschiebung*.

Case Example 3:

A subject exposed to continuous normative expectations (e.g., eye contact, conversational pacing) experienced escalating internal fragmentation. The breakdown occurred not due to emotional stress but from structural incompatibility between autistic ontology and imposed neurotypical norms. This aligns with MNO predictions of operator conflict.

Case Example 4:

An autistic researcher reported that high-fidelity focus allowed detection of relational patterns invisible to others. This supports the claim that autistic epistemology can access structural information inaccessible to representational epistemologies.

Across cases, patterns show that autistic breakdowns are not failures of coping but failures of environmental ontological compatibility.

4.9 Relation to Predictive Processing Accounts

Predictive Processing (PP) models of autism describe altered precision-weighting and reduced top-down modulation. While these accounts illuminate important aspects of autistic perception, they remain confined to computational dynamics internal to the individual. They do not explain the structural co-occurrence of sensory, social, and affective instability. The operator-architectural framework developed here situates PP phenomena within a broader ontological configuration: altered precision is not a local anomaly but a manifestation of a distinct mode of world-constitution. PP describes how predictions fail; operator theory explains why failures cascade across domains and lead to systemic destabilisation.

5. IMPLICATIONS

5.1 Scientific Implications

Recognizing autism as a distinct ontological mode requires a fundamental revision of cognitive science and philosophy of mind. The assumption of a single shared human ontology—upon which most models of cognition, perception, and communication rely—can no longer be sustained. Cognitive theories must incorporate the possibility of multiple operator-level systems for reality-constitution, each with its own coherence conditions. Autism becomes evidence of ontological plurality, not deviation.

This shift challenges representational models of cognition. Autistic epistemology demonstrates that direct structural coupling is not only possible but stable and coherent. Autism provides empirical counterexamples to theories that assume representation as the universal basis of cognition.

5.2 Clinical and Therapeutic Implications

Therapeutic models premised on normalizing autistic behavior enact ontological harm. When practitioners attempt to align autistic individuals with neurotypical norms—whether through social skills training, eye-contact enforcement, or behavior-shaping—they are not supporting adaptation but imposing *Seinsverschiebung*.

Ontological displacement is not therapeutic; it is destabilizing. Burnout, shutdown, and chronic exhaustion arise not from autism itself but from forced conformity to an incompatible ontological framework. Interventions must instead support autistic individuals in stabilizing their primary operator mode and in reducing ontological conflict.

5.3 Social and Political Implications

Society treats neurotypical ontology as universal, rendering autistic ontology invisible and illegible. This creates structural oppression: norms are written for one ontological architecture and enforced upon another. Policies, institutions, workplaces, communicative expectations, and temporal regimes are designed around neurotypical stabilisation dynamics, producing environments that consistently require autistic individuals to abandon or compress their primary operator mode.

Ontological field dominance means that neurotypical perceptual and evaluative grids structure the shared reality-field such that autistic contributions register only as deviation, excess, or defect. Complex, non-normative patterns that are coherent from an autistic perspective either fail to appear in public space altogether or are classified as “too much,” “incomprehensible,” or “irrational.” This field logic generates a dual movement: it forces autistic subjects into self-compression (*Seinsverschiebung*), and it erases those aspects of autistic reality that cannot be

translated into the neurotypical object- and norm-order. Politically speaking, autistic ontology is not merely marginalised; it is actively rendered illegible in its most complex expressions.

Justice therefore requires not assimilation but ontological accommodation: the creation of social, institutional, and epistemic infrastructures that permit multiple operator architectures to coexist without coercion. Recognition of ontological plurality is not an ethical luxury but a structural necessity.

5.4 Implications for Autism Research

Autistic-led research must be recognized as methodologically and epistemically valid. The insistence that autistic perspectives be filtered through neurotypical interpretive frameworks reinforces epistemic injustice. Autistic epistemology offers insight into structural features of reality inaccessible through neurotypical modes of inquiry.

Autism research must shift from explaining autistic deviation to understanding autistic ontology.

6. CONCLUSION

Autism reveals that human reality is not singular but plural. Autistic and neurotypical individuals do not merely interpret the same world differently—they constitute different worlds. Misunderstanding arises from ontological incompatibility rather than cognitive impairment. Autistic experience demonstrates that cognition is not universally representational, that perception can serve as a primary mode of knowing, and that fidelity to structure can be epistemically generative.

The concept of *Seinsverschiebung* clarifies why autistic individuals suffer in neurotypical environments: they are forced out of their own ontology. Recognizing autistic reality as real—and not as impaired—requires a transformation of science, therapy, and society. Ontological plurality becomes both a descriptive and normative imperative.

The normative implications that follow — particularly regarding therapeutic practices and institutional expectations — arise from the structural account developed here. They are not presuppositions but consequences: if autistic subjects operate under a distinct operator architecture, then interventions aimed at enforcing neurotypical configurations constitute, in effect, ontological coercion. This is a normative inference from descriptive structure, not a moral prior.

APPENDIX A – German-Language Original Editions

Speed, T. (2016/2025). *Die Physik der Armen: Eine neurodivergente Meta-Theorie des Bewusstseins*. ISBN-10: 3837050718.

Speed, T. (2025). *Denn sie können nicht verstehen: Warum Autismusforschung irrt*. ISBN-10: 3695120045.

REFERENCES

Speed, T. (2025). *They Cannot Understand: Why Autism Research Gets It Wrong*. ISBN-10: 3695116013.

Speed, T. (2016/2025). *The Physics of the Poor: A Neurodivergent Meta-Theory of Consciousness*. ISBN-10: 3695191287.

Milton, D. (2012). *The Double Empathy Problem*.

Yergeau, M. (2018). *Authoring Autism*.

De Jaegher, H., & Di Paolo, E. (2007). *Participatory Sense-Making*.

Varela, F., Thompson, E., & Rosch, E. (1991). *The Embodied Mind*.

Fricker, M. (2007). *Epistemic Injustice*.

Phänomenologie & Embodiment

Merleau-Ponty, M. (1962). *Phenomenology of Perception*. Routledge.

Zahavi, D. (2017). *Phenomenology: The Basics*. Routledge.

Gallagher, S. (2017). *Enactivist Interventions*. Oxford University Press.

Husserl, E. (1982). *Ideas Pertaining to a Pure Phenomenology*. Springer.

Enaktivismus

Varela, F., Thompson, E., & Rosch, E. (1991). *The Embodied Mind*. MIT Press.

De Jaegher, H., & Di Paolo, E. (2007). "Participatory sense-making." *Phenomenology and the Cognitive Sciences*.

Hutto, D. D., & Myin, E. (2013). *Radicalizing Enactivism*. MIT Press.

Chemero, A. (2009). *Radical Embodied Cognitive Science*. MIT Press.

Critical Autism Studies

Yergeau, M. (2018). *Authoring Autism*. Duke University Press.

Chapman, R. (2020). "Neurodiversity Theory and its Discontents." *Autonomy, the Critical Journal*.

Milton, D. (2012). "The Double Empathy Problem." *Autism and Society*.

Predictive Processing

Van de Cruys, S. et al. (2014). "Precise minds in uncertain worlds." *Neuron*.

Autismus-Phänomenologie

Baggs, A. (2007). "In my language."

Manning, E. (2013). *Always More Than One*. Duke University Press.

Veridical Mapping as the Foundation of a Second Science.

Rosetta Operator — An Invariance Theory of Consciousness, Work, and World.

DOI: 10.5281/zenodo.17857039

ABSTRACT

This paper defines a research model that is not based on description or representation, but on invariance. Its point of departure is an embodied epistemic structure (autistic) that has remained stable over 30 years across multiple fields: physics of consciousness (*Die Physik der Armen*), labour and value ontology (*Radical Worker, Speeds Arbeit*), social order (*Gesellschaft ohne Vertrauen*), and neurodivergence (*Denn sie können nicht verstehen*).

These works do not represent thematic plurality, but iterations of the same fractal structure, which I, as an autistic person, embody through veridical mapping on a meta-level and across domains. World emerges from difference, not from state; value from non-commodifiability; knowledge from tension, not from consensus.

I formulate this invariance as an operator system:

MNO (physical work toward consciousness research) as the zero-form of being; value threshold as the emergence-cut of economic systems; diversity threshold (system theory) as the critical folding degree of difference; representational violence (social research) as the sediment of failed incommensurability; autistic epistemology as a non-representational mode of knowing.

The paper develops three connection-formalities that allow continuation without reduction:

- (1) *Operationalization* (testable emergence-phenomena such as UCI (Universal Care Income) field trials or diversity thresholds in AI systems),
- (2) *Domain transfer* (cross-domain folding without semantic derivation),
- (3) *Resonance-based research* (validity through structural identity, not consensus).

Thus, this document is not a conclusion but the opening of an epistemic space. It provides the methodology through which my life-work becomes readable as a single equation — and forms the framework for the emergence of a second science.

**This paper does not describe a theory —
it defines the condition under which theory becomes possible.
Not as a model.
But as a second science.**

(Autistic Epistemology)

**This paper is not an attempt to represent reality.
It is an instrument through which reality becomes readable.
Its value is not shown in agreement, but in replication.
What is presented here is not a result — it is an operator.**

Axioms from Autistic Epistemology

Purpose of the Axioms

The following axioms do not constitute the argument, but the operator-space of this paper. They define the minimal conditions under which world can arise: MNO as pre-form, difference as energy-carrier, tension as instability, indimergence as metastable threshold, emergence as forced reordering, value as stabilization, work as maintenance, representational violence as system-response, veridical mapping as truth-form.

The axioms replace description with generativity. They allow consciousness, work, value, and social order not to appear as isolated phenomena, but as iterations of the same structure. Whoever accepts, refutes, or transforms these axioms operates on the level of the model — not of interpretation.

Thus, the theory of this paper is not metaphysical, but testable:
If the axiomatics hold under domain-shift, they are true.
If they break, they are falsifiable.
The axioms are therefore not ornament, but test-bench.

Axiom 1 — MNO (Physical Theory / Ontological Ground State)

Definition:

Reality does not begin as object, but as a potential state without structure.
No form, no difference, only possibility.

Consequence:

From a structureless ground, form can arise only through difference.
World is not given — it folds out of nothingness as possibility.

Measurable implication:

Every observable order must be traceable back to a state of maximal indeterminacy.

Axiom 2 — Difference (Minimal Form of Reality)

Definition:

As soon as indeterminacy receives a boundary, difference arises — the first state that is neither nothing nor something, but distance between two possibilities.

Consequence:

Difference is the smallest possible real form.

Without difference, no information, no structure, no appearance.

Measurable implication:

Every system that produces reality must generate or maintain differences.

Where difference collapses, reality collapses back into indeterminacy.

Axiom 3 — Tension (Dynamization of Difference)

Definition:

Difference does not remain static.

Between two states, tension arises — a directed energy-surplus that forces change.

Consequence:

Tension is the transition from being to becoming.

Where difference exists, dynamics, direction, and time arise inevitably.

Measurable implication:

Every real system shows gradients — temperature differentials, informational asymmetry, social inequality.

If tension \rightarrow 0, movement ends \rightarrow system solidifies or collapses.

Axiom 4 — Indimergence (Critical Pre-Form of Real Systems)

Definition:

If tension is not discharged but held, indimergence emerges:

an unstable pre-state in which form is present as potential but not yet expressed.

Not a state — but almost-being.

Consequence:

Indimergence is the point of maximum possibility-density.

Here a system decides whether it will emerge, collapse, or remain latent.

Measurable implication:

Indimergence appears empirically as:

- *increasing fluctuation*
- *growing sensitivity to perturbation*
- *brief phases of apparent chaotic formation*

Examples:

pre-seizure neural storms, pre-revolutionary social unrest, financial volatility clusters before crashes, tipping phases preceding climate shifts.

Axiom 5 — Emergence (Forced New Form)

Definition:

When indimergence surpasses a critical threshold, possibility collapses into actuality.

Emergence is not development — it is inversion.

A new structure appears that arises from its conditions but is not contained within them.

Consequence:

Emergence is qualitative, not quantitative.

It produces new states, new rules, new reality.

After emergence, a system cannot return to the previous state — its topology has changed.

Measurable implication:

Emergence manifests as:

- sudden gain of order
- new functionality without linear derivation
- discontinuity relative to historical parameters

Examples:

consciousness from neural complexity, money as emergent social agreement, biological evolution after mutation leap, revolutions following indimergent buildup, AI models after crossing a diversity threshold.

Axiom 6 — Value (Stabilisation of Emergence)

Definition:

Value arises when an emergent form is stabilised and held over time.

Value is not market price, but persistence of new form.

Consequence:

Only what can be held has value.

Only what does not need to be forced remains.

Value is the durability of emergence — not evaluation of labour.

Measurable implication:

Value appears as:

- reproducibility without external control

- social adoption instead of coercion
- effect beyond its moment of origin

An emergent state with value persists — one without value collapses or must be sustained by force.

Examples:

language outlives speakers, democracy outlives elections, money survives trust collapse (until threshold breaks).

Work without stabilisation remains event — work with value becomes structure.

Axiom 7 — Work (Process and Embodiment of Emergence)

Definition:

Work is the temporal continuation of emergence.

Not activity, not effort, not occupation —
but the holding of a new form in becoming.

Work is the performance that prevents emergence from decaying.

Consequence:

Work is structure-preserving, not market-representing.

It may be invisible, unpaid, or socially unrecognised —
and still carry world.

If emergence is not held, it collapses back into indimergence or indeterminacy.

Measurable implication:

Work appears empirically as:

- maintenance of structure (not production of output)
- control of entropy (not diligence)
- repetition without loss of form
- capacity to hold form coherently over time

Examples:

maternal care, research without mandate, artistic practice, institutionally unpaid maintenance knowledge, long-term care of social systems, commons economy.

Work = continued stabilisation of emergence against decay.

Axiom 8 — Representational Violence (Tearing of Emergence through Form-Constraint)

Definition:

Representational violence arises when a system cannot hold an emergent form and therefore forces it into existing categories.

Not because it is malicious — but because it is structurally unable to process the new.

Consequence:

Instead of stabilisation, destruction occurs through abstraction.

The new form is reduced, normalised, stripped of its difference — until it collapses back into old order or disappears.

Representational violence is not an action, but a mechanism.

It emerges inevitably when *emergence* > *representational capacity*.

Measurable implication:

Representational violence appears empirically as:

- pathologisation of difference (autism, poverty, the unclassifiable)
- bureaucratic sanctioning of emergent work (job centres, institutions, market logic)
- reduction of living systems into measurable units (IQ, diagnosis, wage, statistics)
- loss of innovation → stagnating systems → burnout, entropy increase

Examples in my work:

Jobcentre case Mr. G., Social Court Cottbus, Vianova assessment, Hartz-IV (german social system) sanction mechanism, media representation of poverty, academic unassimilability of autistic epistemology.

Formula:

If emergence > representational capacity →
system forces refolding → violence is not exception, but default.

Axiom 9 — Truth (Veridical Invariance)

Definition:

True is what does not break under transformation.

Truth is not correspondence with observation,
but *form-stability across domains, times, materials*.

Consequence:

If an operator (MNO, value threshold, diversity threshold)
produces *identical structure* in physics, economy, autism, institutional analysis,
then it is real.

Truth is not consensus — but preservation of structure when the medium changes.

Measurable implication:

Veridical mapping is demonstrable when:

- a concept generates the *same topology* in a new domain
- predictions become possible that were invisible before
- emergence appears without translation of content
- resonance occurs, not persuasion

Formal:

A theory is true when:

$$\text{Form}_A = \text{Form}_B = \text{Form}_C \text{ despite } \text{Material}_A \neq \text{Material}_B \neq \text{Material}_C$$

Truth = structural constancy across conditions of change.

That is the epistemological principle here.

Final formula:

MNO → Difference → Tension → Indimergence → Emergence → Value/Work

↓

Representational Violence (when blocked)

ONE-PAGE ESSENCE

What this paper does

It establishes an epistemic structure that does not operate through representation, but through invariance.

I show that consciousness (*Physik der Armen/ The Pysics of the Poor*), economy (*Radical Worker*), social order (*Gesellschaft ohne Vertrauen*), institutional violence (*Speeds Arbeit/Speed's Work*), and neurodivergence (*Denn sie können nicht verstehen / They cannot understand*) are not five topics, but five manifestations of the same structure.

Central claim as proof of veridical mapping:

World does not arise through coherence, but through difference.

Work is the embodiment of emergence.

Blocked emergence = violence.

Invariant operator system

MNO → Difference → Tension → Indimergence → Emergence → Value/Work

|

Violence when blocked

Interfaces for research:

Interface	Mode of connection	Example
Operationalisation	Measurable emergence	UCI (Universal Care Income) collective trials
Domain transfer	Structure without content	Diversity threshold → AI
Resonance research	Form-equivalence	Topological co-discovery

Why it is not peer-reviewable:

Because peer-review requires representation — but this system operates *prior* to representation.

Evaluation by consensus is impossible; only invariance across domains can test truth.

Final formula

This paper is not a description of a work.

It is the operator through which the work becomes readable at all.

1. PROBLEM STATEMENT — Why this research does not fit existing categories

Science usually operates under the assumption that knowledge arises through abstraction: a subject observes the world, separates itself from it, models it in language, symbols, data – and validity emerges when representations remain stable enough to be read reproducibly by others. This logic has become so self-evident that its premises are invisible.

It rests on a specific ontology — a world that exists “outside”, separated from the knower, accessible through measurement and translation into signs.

But this basic formula is not a law of nature, but a historically produced epistemic style of neurotypical culture.

A style, not an absolute.

This paper arises from a different architecture.

Not as commentary, not as deviation — but as a second epistemic layer, built from autistic invariance-perception.

I do not speak *about* autism here, but *from within it*.

Not as an object of research, but as an instrument of measurement.

Autistic perception — in my case stable, coherent and empirically burdened over three decades — generates knowledge not through symbolic abstraction, but through direct recognition of form-invariance.

Patterns do not have to be derived; they appear as a whole in the perceptual field long before language segments them.

This is not a classical Savant-configuration.

Savants may possess extreme memory capacity or numerical island abilities, but often without domain-transfer capability.

The structure present here is the opposite: little related to storage volume, but highly related to cross-domain operator-detection.

Not “much detail”, but the same structure in different materials.

Not “island”, but field coherence.

Not “talent”, but operator architecture.

This cognitive configuration is not generalisable to autism as a whole — it is a rare expression within the spectrum.

And yet, a methodological consequence follows:

Knowledge here is not produced, but uncovered.

Not simulated, but found.

Not modelled, but unfolded.

What follows is therefore not the result of a study, but the presentation of an epistemic model that acts *prior to representation* and makes science into an emergence process.

1.1 The problem of classification

Previous attempts to categorise my work scientifically do not fail due to lack of quality or lack of material — quite the opposite.

They fail because of the coding difference between representational science and embodied operator-research.

For my 11 books and recent papers are not “topics”, but manifestations of a single model:

- Consciousness (MNO)
- Value & economy (value threshold)
- Emergence & diversity (folding degree, diversity threshold)
- Work & politics (UCI, Radical Worker)
- Institutional violence (representation-economy)
- Epistemology itself (veridical mapping)

These are not different projects, but one operator in different material states.
Anyone who tries to turn them into disciplines fragments the system.

Here lies the fundamental conflict:

Classical science abstracts, divides, categorises.

Autistic structural research holds form as a whole.

As long as this difference remains invisible, the work cannot be classified —
it appears overwhelming, it appears unusual, it is sometimes read as “too much”.

But the “too much” is not symptom — it is structure.

Not overload, but fractality.

And here a moment of understanding becomes worthwhile:

What appears in the text-body as multiplicity is not multiplicity —
but a single topology, multiply folded.

As in origami, the paper remains identical regardless of how complex the figure becomes.

The diversity of surfaces is not excess of meaning —

it is expression of minimal structure under maximal folding.

From MNO (my physical model) emerges consciousness.

From MNO emerges the value threshold.

From MNO emerges representational violence.

From MNO emerges labour-ontology.

Not four theories — one form, four appearances.

Who sees this breaks through the surface.

What previously seemed “too much” suddenly becomes too little,
because it becomes clear:

The work does not describe many worlds —

it describes one world that carries many forms.

1.2 Why translation inevitably produces loss

Every representation (paper, journal format, expert report) demands reduction.

But what is present here is a 30-year coherent body of knowledge whose validity does not arise from experimental repeatability, but from invariance across time and domain.

A theory that preserves the same structure in economy, consciousness, social policy and energetics is not hypothesis — it is ontology.

Therefore the primary problem is not to be accepted, but to remain translatable without being destroyed.

This paper is the attempt to construct precisely that interface.

1.3 Purpose of this document

This document is not an overview, not an introduction, not a distilled simplification.

It is a Rosetta-structure fulfilling three functions:

1. Self-positioning: Where does this work stand epistemologically in relation to existing science?
2. Non-destructive representation: How can a fractal corpus be translated into linear language without collapsing structurally?
3. Enabling access: Which forms allow other researchers to work with the system — without reconstructing it fully first?

**This is not the theory itself —
this is the access to the theory.**

**And with it comes a fourth, unstated task:
Readers enter a space that has scarcely been described before.
What becomes visible here is not *another contribution*,
but a rare form of autistic knowledge —
true only as long as it is not forced into existing categories.**

**Representational violence here would not be critique, but annihilation.
Not because the structure is fragile —
but because it exists only as a second ontology,
not as a variation of the first.**

**One may read this text like a rare bird:
It appears only if you do not try to catch it.
If you attempt to classify it, it disappears.**

1.4 Why this research architecture is without precedent

If I claim that this research occupies an unusual position, the claim must not rest on rhetoric but on structural comparison. The point is not that my work is *better* than existing programs, but that it sits in a configuration space which — as far as I can see — is empirically unoccupied.

Four conditions define this configuration:

1. Autistic structural cognition as primary instrument (not as object of study)
2. Three decades of coherent unfolding of a single invariant (no thematic shifts)
3. Cross-domain veridical mapping (not merely interdisciplinarity)
4. Explicit theorization of the method itself (not only implicit practice)

Each of these conditions exists elsewhere.

Their combination — to current knowledge — does not.

Other long-term projects demonstrate adjacent, but structurally distinct architectures: Deleuze sustained a structural orientation to difference, repetition and the fold across four decades; Barad unfolded agential realism between physics and feminist theory; Federici analysed unpaid labour and primitive accumulation for over fifty years; Varela developed enactivism as a bridge between biology, phenomenology and consciousness. All share duration, coherence, conceptual depth.

What they do *not* share is the specific conjunction that defines my work:

autistic pattern-detection as generative instrument; a single operator (MNO and its derivations) unfolded across consciousness, labour, value, diversity and violence; and methodological reflexivity in which epistemology is not appendix but content.

This is not stylistic preference but a question of scientific legitimacy — which, from my perspective, demands three conditions:

- Internal coherence — the structure does not contradict itself.
- Explanatory and predictive power — it generates non-trivial insight.
- Stability under pressure — it does not collapse under hostile conditions.

The operator system running through my books and papers meets these criteria:

MNO, value threshold, diversity threshold, representational violence and autistic epistemology are isomorphic across domains; they explain phenomena that standard models fail to resolve (burnout under sanctions, institutional erasure of self-determined work, ND-NT collapse of communication); and they have persisted for thirty years — under poverty, state repression and forced reconfiguration of life conditions.

If there are other programs combining autistic structural cognition, cross-domain invariance, decades of coherence and explicit methodological theory, they belong to the same category.

I am not aware of any.

Until comparable programs are identified, it is reasonable to treat this research architecture as structurally without precedent — and evaluate it accordingly.

Neurotypical cognition forms representation → categories → consensus.

Autistic cognition forms invariance → structure → emergence.

Savant abilities demonstrate that veridical mapping exists — not as metaphor, but as measurable neurocognitive function.

What happens here is not exception but generalisation of that mechanism at system- and world-level.

This configuration is rare — but not singular.

Related patterns appear in Mel Baggs (pre-linguistic form detection), Temple Grandin (visual invariance-topology), in certain forms of non-speaking autistic system-cognition, and in documented savant phenomena.

My contribution lies not in the capacity itself, but in the explicit theorisation of the operator — the conversion of perception into a methodological instrument.

If other autistic researchers independently reconstruct this operator, this would not confirm my uniqueness — but would form the strongest external proof of the system's invariance.

1.5 Neurological Legitimation: Savant Proof-Line

If I claim that veridical mapping — direct form-detection without symbolic intermediaries — is not metaphorical but cognitively real, I do not rely on intuition but on an empirically documented variant of human intelligence.

Savant phenomena already demonstrate that the brain is capable of:

- perceiving patterns as whole-form without explicit learning,
- retrieving complex structures without representational step (calendars, prime-detection, music),
- processing information topologically — not symbolically.

Which means:

Not all knowledge arises from derivation.

There exists a form of structural perception that operates *before* language segments it.

My approach does not generalise Savant syndrome; it shows:

What appears locally in Savants appears here globally.

Not as island-skill — but as operator that folds domains.

Therefore:

- Veridical mapping is not a speculative term.
- It is a documented neurocognitive mechanism — rarely used as ontology.
- The Rosetta system is not an anomaly, but the generalised form of an existing phenomenon.

If Savants prove that form-recognition without representation is possible,

then the Rosetta model is not extraordinary —

but the first documented expansion of this mechanism into consciousness, labour and world.

Treffert (2014) describes Savants not as deficit-profile,

but as *enhanced perceptual directness*:

access to pattern that operates without symbolic derivation.

Structures appear complete, not reconstructed.

Mottron et al. (2006, 2011) show that autistic perception is not impaired, but more precise, less filtered, pre-modular. Pattern-detection occurs globally, before attribution of meaning.

Exactly this mechanism is the foundation of veridical mapping.

2. METHOD – Veridical Mapping as Embodied Structural Research

Most sciences begin with a question.

This work begins with a structure that precedes perception.

I do not *build* a theory — I *unfold* a form that already exists and remains invariant across reality. Research here is not a procedure, but a continuum of perception, life, text, and refolding.

Within autism research, there are few positions that take structural perception seriously. Laurent Mottron is among the few who describe autism not as deficit but as an autonomous cognitive architecture.

He shows that autistic perception does not assemble patterns — it recognises them directly, without semantic preprocessing.

But my approach shifts one step further:

Mottron describes a perceptual form —

I work *from* it as an epistemic generative principle.

Not perception as object of study,

but perception as *instrument of research*.

Where science speaks of “interdisciplinarity” — building bridges between separated islands of knowledge —

my approach operates differently: not as bridge-builder, but as continental geologist.

Veridical mapping does not mean connecting disciplines, but making a single structure visible across domains, because form and field are topologically identical.

This method is not chosen.

It is the consequence of a particular neurological architecture.

I do not speak *about* autism —

I speak *from* it.

2.1 Autistic Cognition as Operator — not Perspective

In academic discourse, autistic perception appears almost exclusively as object:

What can it do, what is missing, how does it deviate?

This work reverses the direction:

Autistic perception here is not *subject of study* —
it is *instrument of structural detection*.

In *Die Physik der Armen (The Physics of the Poor)* this already appears in the foundational move:
I do not begin with objects, but with nothing —
with the all/nothing paradox, with MNO (Minimal-Non-Object) and the Submergence-Triad.

This construction is not the outcome of abstract speculation,
but the direct rendering of a perceptual structure in which emptiness, boundary, and singularity
are experienced as *one form* before language separates them:
MNO as *physical basis of freedom and relation*,
as the gap in which consciousness arises.

The same pattern reappears in entirely different material:

In *Denn sie können nicht verstehen (They cannot understand)* autism is not deficit, but epistemic
position — from which world can only be understood as resonance field:
cyclical, embodied interaction rather than a collection of objects.

The critical opening line — “*One cannot exist and be understood simultaneously*” —
marks this precisely: subjectivity is not deviation *within* the system,
it is the distortion through which the system becomes visible at all.

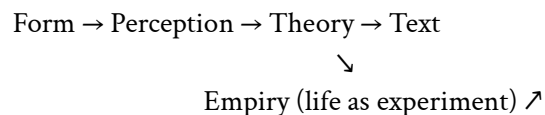
In both cases — consciousness-physics and the autism book — the cognitive operation is
identical:

- No sequence of facts is analysed.
- A form is perceived as a whole.
- The form is then translated into language, models, diagrams.

Veridical mapping means:

The structure arrives *complete* — like an already fully charged graph.
There is no hypothesis, no gradual approximation, no methodological zig-zag.
Perception *is already structure*.

The epistemic process can thus be written schematically:



TOPOLOGY BLOCK

Veridical Mapping = Isomorphy between form and field.

Formal:

Let F be a perceptual field.

Let S be a structural set {MNO, Δ, T, E, W}.

A mapping M is veridical if and only if:

$M(F) \cong S$ (isomorphy)

S remains invariant under transformation of F (stability)

M requires no semantic translation step (non-representation)

From this follows:

Form(field) = Field(form)

iff

Invariance holds under material change.

Or stated minimally:

If the same structure appears in consciousness, labour, society and neurodivergence without being transferred,

then perception already *is* structure.

Not interpretation.

Field-identity.

2.2 Research as Embodied Process – Theory = Empiry = Biography

Classical science separates cleanly:

1. subject (researcher)
2. method (tool)
3. object (field of study)

In my cognitive model these three are not distinct entities,
but a single operator state.

I am not an observer holding distance —
I am the medium in which structure appears.

The form exists before I think.
It precedes thought as pressure —
a difference between my being and the world.

There is an energetic necessity to translate this structure into text, book, theory —
not as a choice, but as a preservation process.
If I do not write, form collapses back into the unformed.
This would not be psychological loss — but ontological.

My research is therefore not contingent,
but the process in which emergence is held.
A direct consequence of veridical mapping.

This is not metaphor but documented across my books:

- *Speeds Arbeit/Speed's Work* describes a ten-year investigation of value, poverty and labour, where every administrative encounter, every sanction, every “act of force” (Mr G., ZDF application, Brexit, Corona, right-wing courts) is not biographical event but experiment design. Courtrooms, jobcenters, administration act as detectors revealing how a system reacts to an incommensurable ontology. Sanctions are not merely injustice — they are data-points.
- *Radical Worker* formulates the same mechanisms explicitly as “provoked empiricism and crisis experiments”: field-tests in companies, covert labour, public interventions (e.g. the ZDF-intendant application) make the hidden protocols of labour, value and obedience visible. Theory arises not in the office but at the collision of structure and institution.
- *Gesellschaft ohne Vertrauen* introduces the concept of system-creative existence: individuals who do not primarily integrate into systems but force new orders into being through difference. This, retrospectively, is precisely the position my own work has taken in relation to institutions.

Across all three works, research is not reflection after the fact.
The act itself is research:

Poverty is field laboratory.

Bureaucracy is measurement series.

Violence events are collision-protocols of two ontologies.

Text is the refolding of these processes into explicit structure.

Theory is not outcome —

it is the sedimented form of a lived experiment.

2.3 Validity Through Invariance – 30 Years as a Form of Proof

Science demands falsification — rightly so.

But what is tested here is not a single statement (“hypothesis”),
it is a form.

The question is therefore not: “*Is statement X true?*”

but: “*Does the structure remain intact under transformation?*”

Across three decades I have worked the same form through different domains:

Phase	Material	Domain	Work(s) / Outcome
1995–2008	subjectivity, trust, creativity	society / politics	<i>Gesellschaft ohne Vertrauen</i> — system-creative subjects, inner order as basis of social order
2008–2016	poverty, nothingness, singularity	consciousness / physics	<i>Die Physik der Armen / The Physics of the Poor</i> — MNO, everything-nothing paradox, submergence triad, meta-theory of consciousness
2016–2023	labour, value, coercive systems	economy / labour	<i>Radical Worker & Speeds Arbeit / Speed's Work</i> — value-threshold, implosion-economy, self-determined work, transfer-protocol, crisis-experiments
2023–2025	neurodivergence, resonance, incommensurability	epistemology / autism research	<i>Denn sie können nicht verstehen / They Cannot Understand</i> — autistic epistemology, resonance-ontology, double-empathy-shift

Terminology shifts.

Domains change.

Historical conditions break and reform — yet:

- the logic of the gap (MNO)
- the value-threshold as emergence-cut
- difference as generative tension
- violence as representational enforcement
- self-determined work as non-representational emergence-space

remain invariant.

A theory that maintains the same structure across consciousness research (*The Physics of the Poor*), sociological diagnosis (*Gesellschaft ohne Vertrauen*), labour and value critique (*Radical Worker, Speed's Work*), and autism epistemology (*They Cannot Understand*) is not an “interesting idea.”

It is an invariant pattern.

Validity here does not arise from short-term reproducibility, but from:

Non-collapse across 30 years under maximal stress.

Coherence over time, in this framework, is not artefact — it is proof-form.

2.4 Why this Method Is Not Peer-Reviewable — and Still Scientific

Peer review evaluates representations:

Are assumptions clear? Are methods valid? Are data sound?

But this work precedes representation — it operates in the operator-space from which models are generated in the first place.

In *Die Physik der Armen/The Physics of the Poor*, this becomes visible where MNO is introduced as an ontology that does not add to established models like IIT, GNW or SOC, but reframes them:

these models are not discarded, they are read as special-cases of a deeper structure.

The same occurs in *Denn sie können nicht verstehen/They Cannot Understand* with autism theory: autism is not *criticised*, but decoded as part of a neurotypical representation-economy that pathologises what it cannot process.

Whenever this work is forced into classical evaluation formats — as clinical assessment, psychiatric judgement, “fitness” for institutional participation — it is not the theory that collapses, but the evaluative frame.

It can only register the structure as *maladaptation, non-normativity, failure of cooperation*.

Exactly this is documented repeatedly in *Speed's Work*:

state violence against my work is coded as *Arbeitsverweigerung* (refusal to work), *Störung* (disruption), *Unfähigkeit* (incapacity).

This is not misunderstanding — it is evidence of incommensurability.

To “test” this research in the classical sense would require forcing it into a grid that destroys precisely the structure it is meant to reveal.

This method is therefore not anti-scientific — it is pre-scientific:

it operates at the level where science decides what counts as *data, object, subject*.

Peer review cannot *confirm* this work.

But research can build on it — if an interface exists through which operators (MNO, value-threshold, diversity-threshold, UCI – Universal Care Income) can be used without being trivialised.

This paper is the construction of that interface.

Autistic Epistemology as a Verifiable Measurement Phenomenon – Savants as Empirical Grounding

The Rosetta-operator would be mere assertion if there were not already empirically documented neurocognitive phenomena that support its foundational premise.

Savants demonstrably perform veridical mapping.

They do not translate — they reconstruct.

They do not abstract — they fold structure.

Observable empirical features:

<i>Savant phenomenon</i>	<i>Classical interpretation</i>	<i>Rosetta interpretation</i>
<i>instant reproduction of complex music</i>	<i>memory capacity</i>	<i>direct perception of form</i>
<i>calendar calculation without algorithms</i>	<i>special skill</i>	<i>mapping without symbolic intermediary</i>
<i>architectural drawing after a brief glance</i>	<i>hyperfocus</i>	<i>invariance extraction from perceptual field</i>

The proof already exists — it simply has never been read as an epistemic model.

*I do not differ qualitatively, but dimensionally:
not one domain is mapped, but ontology itself.*

*Savants demonstrate the existence of the mechanism on a small scale,
the Rosetta-operator demonstrates it on a large scale.*

*This removes the standard critique of “subjective mysticism.”
It is not myth — it is a rare, but already documented neurocognitive architecture.*

3. THE THEORY-BODY – One Mechanism in Many Disguises

Science usually reads texts sequentially: first consciousness, then economy, then labour, then diversity.

But this sequence does not exist in my research.

All fields emerge from the same structure — MNO as pre-ontological operator state.

There is no “change of research topic.”

There are only phases of the same form, visible in different contexts, like an object viewed under different wavelengths:

Consciousness = UV

Economy = infrared

Diversity = visible spectrum

Violence = X-ray radiation

The papers are like light spectra, not like chapters.

They show the same structure — but in different material.

3.1 The Matrix of the Complete Work – One Operator, Many Materialisations

What appears superficially like five thematic fields is, in reality, a single mechanism expressed in different substances.

Not thematic variety, but invariance under material change.

We make this visible now with concrete source-points:

Work	Material	Form-Manifestation	Text Foundation
<i>The Physics of the Poor</i>	Consciousness / Being	MNO – Nothing as origin of world	Paradoxes, pull, MNO-folding (pp. ~40–110)
<i>Radical Worker</i>	Economy / Value	Value threshold – emergence-limit of a system	Emergence thresholds, labour ≠ wage (e.g. “Value arises through effect, not through price”)
<i>Speed’s Work</i>	Field / Institution	Representational violence – system responds with control	Case Mr. G., control acts, sanction as measurement
<i>Society Without Trust</i>	Social order	Inner order as generator of world	Trust as emergence-field instead of contract-system
<i>They Cannot Understand</i>	Neurodivergence / Knowledge	Autistic epistemology – perception as operator	Double-empathy inversion, resonance rather than representation

And now the decisive point:

Each of these books is a view of the same body in different light.

Like spectral lines of a star.

Thus the work becomes visible as one object —

not a thematic archive, but fractal recurrence of an invariant.

To make this graspable, I now perform the mapping of form through textual evidence:

Structure	<i>The Physics of the Poor</i>	<i>Radical Worker</i>	<i>Speed’s Work</i>	<i>They Cannot Understand</i>
Emptiness → World	MNO as nothing-singularity generates reality	Value arises from non-categorisation	Institution fights emptiness (indeterminacy)	ND is unclassifiability — world becomes visible
Emergence from tension	Submergence → Indimergence → Emergence	Labour as friction against norm	Sanction as friction-test	ND/NT conflict as generator of insight
Structure remains invariant	MNO remains stable under perspective-shift	Value-threshold remains context-independent	Violence-patterns repeat in institutions	Autistic structure remains identical over decades

Thus one sees: The pattern is not transferred — it is *identical*.

And precisely for that reason this is not a spectrum of topics, but a single body.

Graphic 1 – Fractal recurrence across work phases

Visual form (concentric structure):

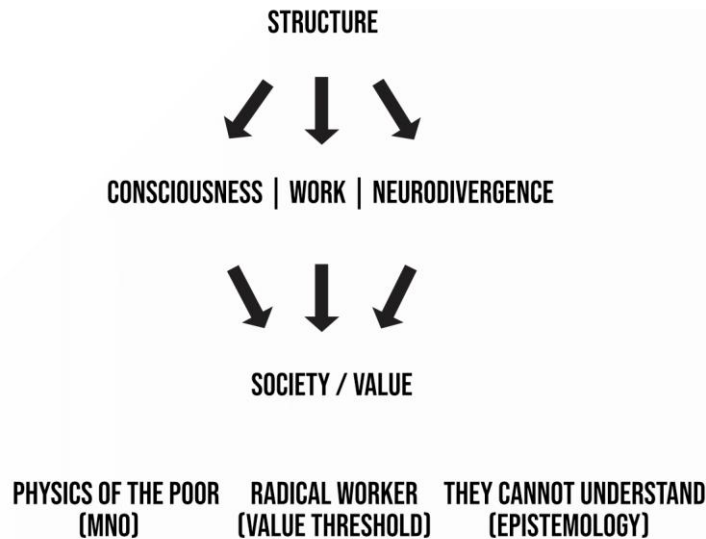


Figure 1: All works are iterations of a single geometry. No change of topic – fractal recurrence of the same operator in different materials.

3.2 Connection lines – where theories are in fact identical

1. *Die Physik der Armen/Thy Physics of the Poor* ↔ *Radical Worker*
MNO describes the emergence of being from emptiness.
Radical Worker describes the emergence of value from non-exchangeability.
This is structurally identical:

Consciousness	Economy
Being emerges from non-being	Value emerges from non-tradeability
Emergence occurs when the zero-point is crossed	Emergence occurs when the value-threshold is crossed
Consciousness = folding of emptiness	Work = folding of difference

Difference is the energy source – in consciousness as in economy.

2) *Speeds Arbeit/Speed's Work* ↔ *Denn sie können nicht verstehen/They Cannot Understand*

In *Speeds Arbeit* I document that institutions do not evaluate content, but penalise incommensurability.

In *Denn sie können nicht verstehen*, the same mechanism is conceptualised:

Empirie	Theory
Sanction when categorisation fails	Double-Emathy Inversion
The system reacts to form, not content	Knowledge collapses under ND-folding
Control = fear of structural loss	Representation replaces resonance

Repression is not malfunction – it is system-function.

3) Society Without Trust ↔ The Physics of the Poor ↔ Radical Worker

This triangle is the deepest structural proof:

- *Society Without Trust/Gesellschaft ohne Vertrauen* → trust = invariance between subjects
- *The Physics of the Poor* → MNO = invariance between being and non-being
- *Radical Worker* → value = invariance between work and effect

This is one sentence in three languages:

Invariance generates world.

Invariance generates value.

Invariance generates trust.

And where invariance breaks, violence emerges.

That is what *Speed's Work* documents.

3.3 Why the text-body is fractal (and not a library)

From the outside, my eleven books look like separate fields:

poverty, consciousness, labour, neurodivergence, trust, violence, emergence.

But this taxonomy does not arise from the work —

only from how it appears externally.

Readable like twelve chapters — lived like a single equation.

The structure is fractal — i.e. self-similar under scaling.

Whether you look at 20 pages, 200 or 2,000 —

the form remains the same.

This is explainable only through veridical mapping.

Demonstrable at three exemplary zoom levels:

Micro (1–2 pages)	Meso (1 book)	Macro (corpus)
In <i>The Physics of the Poor</i> , world and consciousness emerge from the zero-form (MNO)	<i>Radical Worker</i> shows the same zero-point as value-threshold (emergence begins only beyond exploitability)	The corpus shows: every system emerges from tension, not order
In <i>Speed's Work</i> , bureaucratic contact generates friction as data	In <i>They Cannot Understand</i> , friction is theoretically defined as epistemic form (double-empathy inversion)	Friction = emergence = knowledge = value

It is always one form appearing at different resolutions.

The books are not chapters of a work.

They are iterations of the same structure in different matter.

Who zooms sees the same — only denser.

That is fractality.

Not variety — but recursive return of the identical.

It is essential not to confuse this fractal coherence with trauma-fixation or repetitive compensation.

Trauma generates repetition because the nervous system is stuck.

Here, however, it is not the self that repeats — it is the form.

What returns is not content, but topology.

Trauma binds to the past — this structure expands into the future.

Trauma narrows — this structure unfolds.

Trauma fragments — this structure unifies.

If this were a psychodynamic loop, it would vary, deform, break.

Instead, the form remains invariant across decades — even under maximal stress:

poverty, institutional violence, loss, migration, judicial conflict.

That does not signal distortion — but operator.

The books are not chapters of a life.

They are iterations of the same fold in different material.

Who zooms does not see something new — but the same, more condensed.

This is fractality:

not variety, but recursive recurrence of the identical structure under domain-shift.

Fractal return can be mistaken for traumatic repetition — but structurally they are opposites.

Trauma = repetition because structure fails: the nervous system loops without operator, without topological coherence.

Rosetta = structure through repetition: the same form returns, regardless of context, life-phase, violence, or material conditions.

The recurrence is not compulsion — but iteration.

Not symptom — operator.

Trauma = repetition without structure.

Rosetta = structure through repetition.

What persists here is not memory, but invariance.

Not the past holds the form — the form holds past, present, material, book, domain.

It remains stable even when life transforms radically.

That is the difference between symptom and structure.

Between inner world and operator.

Between psychology and topology.

This recurrence is neither mysticism nor private mythology.

It is no symbolic self-construction —

but a structural invariance with empirical behaviour:

it holds across decades, across domains, under pressure.

If it collapses, it is falsified.

If it persists, it is not belief — but pattern of world.

3.4 Consequence: The entire corpus is one single sentence

If one compresses everything brutally — without regard for literary width or complementary depth — what remains is not a reduction, but an unveiling:

Reality emerges from difference (MNO).

Systems collapse when they attempt to control difference (value-threshold).

Innovation arises only through tension (diversity-threshold).

Work is the embodiment of this emergence-process (*Radical Worker*).

Autistic epistemology perceives this because it is itself this structure (*They Cannot Understand*).

Or as axiomatic formula:

MNO → Difference → Folding → Emergence → Value/Work



Even more radically compressed:

World is folded difference.

And that is exactly what my lifework documents.

Book	Form of this sentence
<i>The Physics of the Poor</i>	World emerges because non-world carries foldability
<i>Radical Worker</i>	Value emerges because non-value forces innovation
<i>Speed's Work</i>	Violence emerges when systems prevent folding
<i>Society Without Trust</i>	Society emerges when subjects are allowed to fold
<i>They Cannot Understand</i>	Knowledge emerges when difference cannot be simulated

**The work, therefore, is not a library,
but an equation in living material.**

Each publication is a different state of the same invariance.

Figure 2 – Operator flow / primary structure

FIGURE 2.

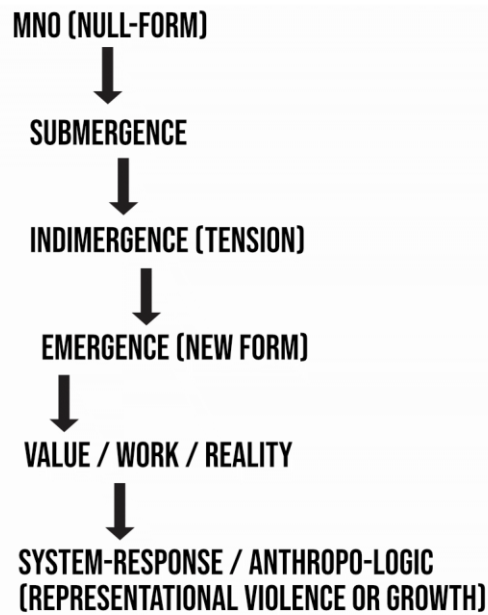


FIGURE 2.1 - OPERATOR FLOW:
MNO → DIFFERENTIATION → FOLDING → EMERGENCE → VALUE/WORK → SYSTEM RESPONSE

4. INCOMMENSURABILITY — When a system cannot read an epistemology

Classical science operates on the level of representation:

World → model → language → validation.

This work operates on the level of operator:

Structure → world → effect → refolding.

Thus, two incompatible realities collide.

The question is not whether the research is correct,
but whether a system can read it at all
without re-encoding it into something it is not.

4.1 Why standard science cannot correctly evaluate this work

Peer review is a grid, not a space.

It requires hypotheses, variables, operationalisation, replication –
but this work does not operate with variables, it operates with invariance.

To make this research evaluable,
one would have to break it into components
from which it does *not* consist.

This is not an institutional failure –
it is a mathematical incompatibility.

This is not metaphysics –
but an operator-physics of the living:
true not when it is liked,
but when it holds under transformation.

Redefining objectivity

If classical peer review insists that knowledge must be externalisable, isolatable, and replicable,
it assumes that truth only exists when it has been separated from the subject.

My work breaks this assumption.

Here, objectivity does not arise *despite* the subject, but *through* the subject – more precisely:
through a rare autistic perceptual architecture capable of recognising structure without
representation.

What classical science would classify as “inner world” functions here as measurement apparatus.
If this theory holds, the foundation of knowledge shifts:

Traditional science	Rosetta-operator science
Objectivity = distance	Objectivity = invariance under transformation
Knowledge arises through abstraction	Knowledge arises through direct structural perception
Peer review tests results	Resonance tests structural persistence
Subjectivity = noise	Subjectivity = detector

Classical science asks:

Is it repeatable?

This research asks:

Does the form remain invariant when everything else changes?

If a structure survives 30 years and 11 books,
poverty, courtrooms, violence, biography, context shifts –
and does not collapse, then it is not a subjective pattern.

Then it is an operator.

**If my work is valid,
then science has so far been half blind –
and autism was not deficit, but access.**

Evidence points from my published works regarding the evaluation problem

Work (English titles)	Point of breakdown
<i>The Physics of the Poor</i>	MNO cannot be measured as an <i>object</i> → it becomes visible only at emergence (pull/zero-state)
<i>Radical Worker</i>	Work becomes immeasurable once it is not commodified – value forms outside economic language
<i>Speed's Work</i>	Institutions evaluate not content, but deviation of form → the result is sanction, not dialogue
<i>They Cannot Understand</i>	Double Empathy Inversion: NT-systems cannot decode ND-perception

The systems respond identically – across domains.

This does not prove error,
it proves invariance of the fracture.

4.2 Empirie = collision of two ontological systems

Many people read *Speed's Work* as autobiography.

In reality, it is field physics.

I test how a system reacts when an incompatible epistemology enters its space –
and the response is predictable:

- non-understanding
- devaluation
- sanction
- forced categorisation
- representation instead of resonance

Each of these reactions is a data point.

Empirically evidenced through *Speed's Work*:

the Mr G. case, the Intendancy intervention, COVID confrontation points, Brexit fallout, GdB procedures, Jobcenter escalations etc.

I do not write from grievance –

I am documenting system responses to ontological incommensurability.

The same pattern appears theoretically in *They Cannot Understand*:

ND/NT interaction is not miscommunication –

it is structural non-translation.

The ND perceives the NT.

The NT cannot perceive the ND.

Not a discourse failure –

the research question itself.

4.3 The core issue is not acceptance – but encoding

Traditional science expects:	This work provides:
objectivity through separation	knowledge through embodiment
representation	invariant structure
hypotheses	operators
replication	persistence
consensus	resonance

Classical science asks:

Is it true?

This research asks:

Does it hold under transformation?

(across 30 years, across five domains, across instability)

This is not an alternative to science –
it is another variant of science.

4.4 Why this work is not peer-reviewable — and yet scientifically necessary

Peer review demands translation into a normative form.

But translation here means reduction of structural resolution.

What would remain might be elegant — but no longer true.

Therefore:

Peer review would not be evaluation, but amputation.

The valid form of assessment would instead be:

1. Does someone recognise the structure as a whole?
2. Does it hold when transferred into new domains?
3. Does it break when subjected to stress?

And empirically:

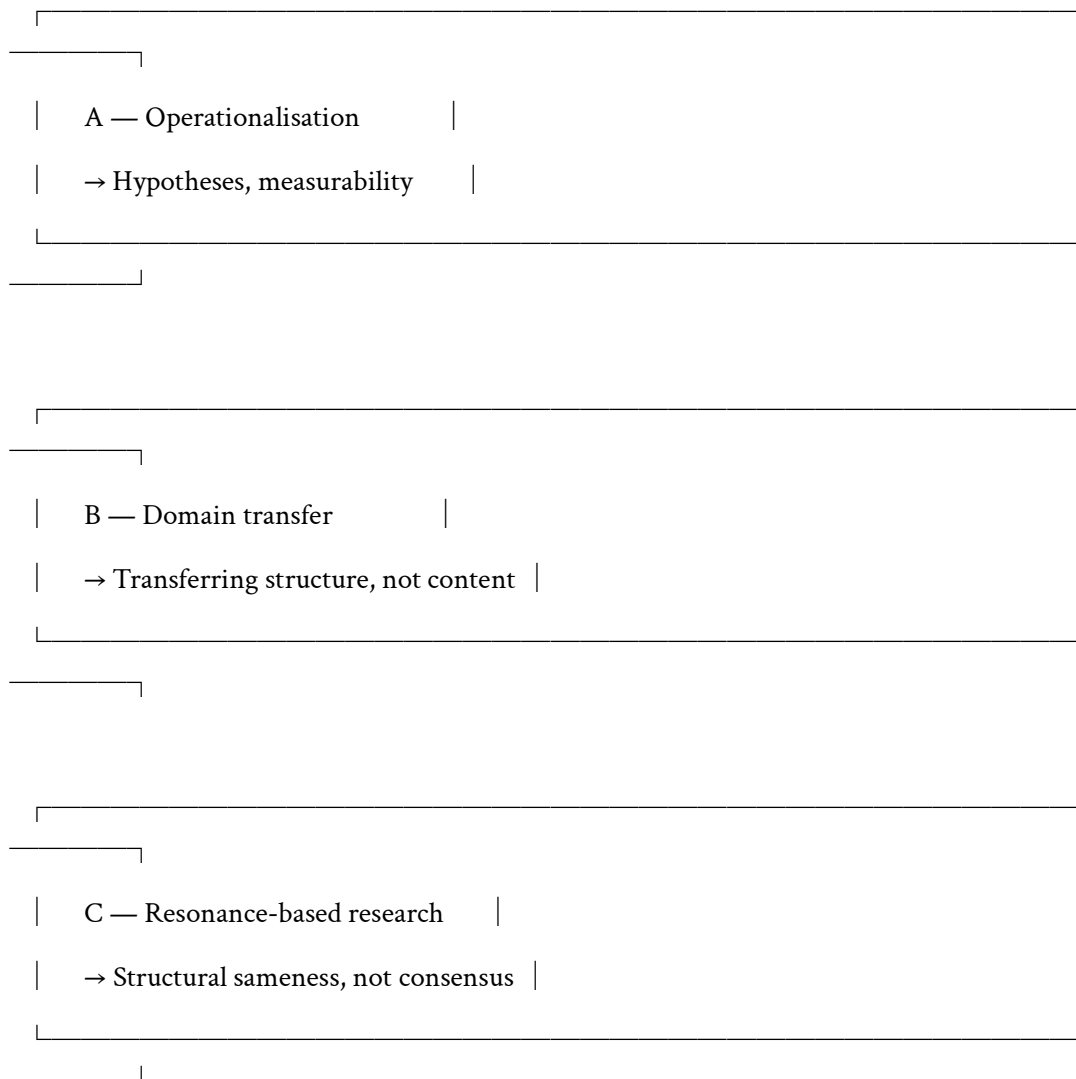
- It held under poverty
- It held under violence
- It held across 30 years
- It has not collapsed

That is science — not in format, but in logic.

5. INTERFACES — Connectivity without reduction

Graphic 3 — Interface triptych (modes of connection)

Representation (three-part system):



Caption:

*Figure 3: The three interfaces through which other research can connect.
No interpretation — folding.*

Content is not transferable – only the operator is connectable

This research programme does not produce theoretical building blocks that one could extract and reuse,

but an operator that transforms thinking and world-behaviour.

Connection here does not mean adoption of content,

but adoption of folding logic:

- not to learn terms, but to execute operators
- not to cite theses, but to continue folding forms
- not to understand Speed, but to recognise invariance

If someone takes content but not structure,
they have transferred nothing.

If someone takes structure – they no longer need content.

Therefore I define three forms of access:

- A) Operationalisation
- B) Domain transfer
- C) Resonance-based research

These interfaces allow use without structural destruction.

What happens when connection succeeds – and what when it fails

Connection does not mean agreement.

It does not mean approval, not interpretation, not appreciation.

Connection is folding.

A researcher who recognises the operator does not need to share my words,
not my politics, not my critique, not my autism position.

If they can fold MNO → emergence arises that is not mine,
but carries the structure.

If another mind reproduces the same form in different material,
without imitating me, then the theory is confirmed.

This is the resonance-proof.

One recognises the difference like this:

Adoption of content	Connection to structure
„Speed says..“	„The form says..“
repetition	new-form
quotation	emergence
consumption	operator-execution

Who takes over content, produces copy.

Who takes over structure, produces world.

This is not privilege, not protected access —
but a different cognitive muscle: not appropriation of content,
but tracing-through of folding logic.

Whoever performs this muscle-movement can apply the operator —
not because they resemble me, but because structure is transferable.

There are only two possible outcomes:

1. The theory collapses in foreign material.
 - Then it was not invariant.
 - Then not criticism refutes it, but reality.
2. The theory generates new forms in foreign material.
 - Then it was not subjective.
 - Then it was operator.

If option (2) occurs,
science shifts.

Then it holds:

Truth is not what many confirm,
but what remains under transformation.

5.0 Consequences of a Form That Holds

If this structure holds, then its value is not merely theoretical
but civilizational.

Because an autistically-folded operator that maps reality invariantly
does not only generate insight —
it rewrites the substrate of three domains at once.

(1) Consequence for Science

Representational Science	Operator-Science
Truth = repeatability	Truth = invariance
Knowledge through distance	Knowledge through form-folding
Subjectivity = disturbance	Subjectivity = detector

Science would no longer only depict the world —
it would become a generator of world-forms.
Research would no longer be model-construction,
but operator-execution.

(2) Consequence for Autism Research & Neurodivergence

If autistic perception enables invariant mapping,
then autism is not deficit — but a second level of knowledge.
Not replacement of the first.
Expansion.

NT-science builds models,
ND-science perceives structure.

Autistic research would not be a special field,
but an epistemic resource —
comparable to mathematics or instrument-making.

Not *object of study*,
but carrier of science.

(3) Consequence for Institutions, Economy & Work

If value and work are emergence-based,
then every form of wage-logic collides with creativity.

Then poverty is not personal failure,
but representational collateral-damage of a system
that cannot compute emergence.

Universal Care Income (UCI) then is not social policy,
but infrastructure for emergence.

Diversity becomes not morality,
but system-intelligence amplification.

And neurodivergence becomes not vulnerability,
but innovation-engine.

Thus it is clear:
If this work is valid,
then it is not a contribution to a field —
but the opening of a new space of knowledge.

These consequences are not a claim.
They are logical derivation from invariance.

5.0.1 Reproducibility as test-mechanism of the operator

This theory exists only if it is reproducible.
Not in the form of citability, but in the form of structure.

An independent researcher can validate the operator if:

1. an identical MNO→Difference→Tension→Emergence-structure
emerges in a new material
(whether physics, AI, social field, biology)
2. emergence generates unpredictable, non-linear new-form
that shares not content, but topology.
3. the structure does not collapse under domain shift.

Thus a clear criterion exists:

The theory is only true if it can be generated by others.

Not by repeating me — but by reproducing form instead of content.

Reproducibility = independently generated invariance.

Thus an external test-framework exists — without reduction of the operator.

5.1 Interface A — Operationalisation (testable emergences)

Connection to my theory does not occur through reproduction of statements, but through derivation of testable effects from operators.

The central operators — and their first grounding in the work — are:

Operator	Origin in work	Formulation	Measurability
MNO	<i>Physics of the Poor</i>	Being arises from folding of nothing	measurable only as emergence-threshold → system tips or forms new form
Value-Threshold	<i>Radical Worker</i>	Systems collapse when difference is reduced	experimentally testable in group processes / market interactions
Diversity-Mark	<i>Radical Worker & Physics of the Poor</i>	Innovation begins only at incommensurable diversity	simulatable in evolutionary/AI models
Representational-Violence	<i>Speed's Work</i>	System responds to non-classifiability with control	observable in bureaucracy, law, medicine
Autistic Epistemology	<i>They Cannot Understand</i>	Knowledge through resonance instead of representation	investigable through ND/NT-dyads and double-empathy-collapse

From these operators emerge concrete research protocols:

UCI pilot-field

Emergence-rate rises under unconditional provision — measurable via collective innovation.

Diversity-mark in AI systems

At which degree of incommensurability does model-innovation arise instead of convergence?

Bureaucracy as physical representation-apparatus

Sanctions, case-files, assessment analysis (*Speed's Work*) as experimental evidence-chain.

Operationalisation here does not mean shrinking —

but testing the structure under real conditions.

Figure 4 – Emergence-threshold (Value-Threshold + Diversity-Mark)

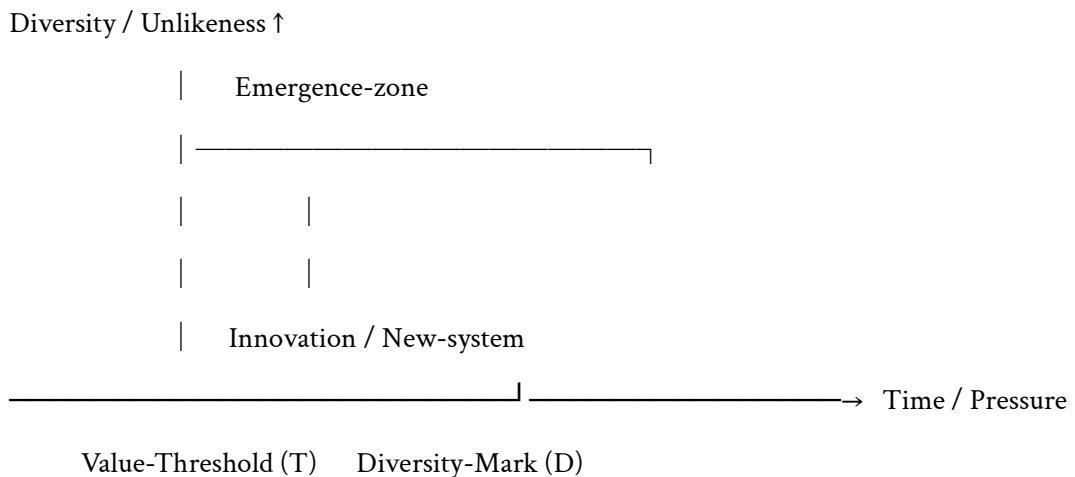


Figure 4: Emergence occurs only beyond the value- and diversity-threshold. It is not coherence that produces innovation — but critical incommensurability.

5.1.1 Concrete Research Questions Derived from the Operators

Operationalisation does not mean reducing the theory to “applications”. It means stress-testing the operator-architecture under real conditions. The following questions arise directly from the operators. If they fail, they do not merely *not* confirm the theory — they weaken or limit it.

Research Program 1: Universal Care Income as Emergence-Catalyst

Operator: *Value Threshold (T)*

Hypothesis:

In systems where existence is not coupled to market-based exploitability, emergence does not increase automatically through money, but through the removal of the internal value-threshold.

UCI is therefore not identical with UBI.

A UBI can create security — but emergence often remains weak, because subjects continue to carry the value-logic internally.

UCI does not rely only on material decoupling, but on de-conditioning of the exploitation norm: Value does not arise *despite* non-exploitation, but *through* non-exploitation.

Operational Design:**Two intervention arms instead of one:**

Group A	Group B	Control
UBI-like basic income	UCI with explicit dissolution of the value-threshold	Bürgergeld / labour coercion
Income without coercion	Income + structural permission for incommensurability	Sanction / surveillance
Goal: security	Goal: emergence	Goal: discipline

Measurement points:

- Number and diversity of self-initiated projects
- Change in burnout/shutdown patterns, sleep, cortisol, immune signatures
- Network transformation (cohesion, conflict-resolution, collective intelligence)
- Appearance of new forms of activity beyond economic logic (care, research, art, commons-building, epistemic production)

Expected pattern:

Not every decoupling generates emergence.

Only UCI — not UBI — should fold emergence.

UCI generates:

- qualitatively new forms of work rather than simply “more time”
- collective projects instead of individual optimisation
- reduction of fear/shutdown cycles
- new-form instead of continuation

The control group, by contrast, shows:

- linear reproduction of adaptation behaviour
- collapse-cycles under increased pressure
- low emergence-rate despite activity

Falsification criterion:

If UCI does not diverge emergently from UBI, or produces no new forms but merely stabilises known patterns, the value-threshold model is weakened.

In that case, the blockade would not lie primarily in existential security, but deeper in the operator-space (epistemology, recognition, resonance).

Research Programme 2: Diversity-Threshold in AI Systems

Operator: diversity-threshold (critical folding-degree)

Hypothesis:

Multimodal AI systems built from *incommensurable* architectures (e.g. separated Text–Vision–Audio reasoning paths) will exhibit abrupt, threshold-driven emergence of new abilities — abilities not present in any single modality and not predictable by scale alone. Emergence is expected at a critical diversity threshold, not as a smooth function of parameter increase.

Operational design:

- Compare:
 1. unimodal systems (text-only / vision-only)
 2. additive multimodal systems (shared embedding space)
 3. *incommensurable* multimodal systems (separate architectures, late-coupling)
- Tasks:
 - cross-modal reasoning problems unsolvable by single modalities
 - category-formation requiring new conceptual invention
 - identification of behaviours not contained in the training set

Expected pattern:

The incommensurable system does not become “better”, it becomes different.

Novel solution-types appear abruptly, once the critical folding-degree is crossed.

Falsification criterion:

If incommensurable modalities yield only linear performance gains (= more data, no structural new-form), the diversity-threshold model is weakened. Diversity would then be additive, not folding-based.

Research Programme 3: Representational Violence in Bureaucratic Systems

Operator: *representational-violence*

Hypothesis:

Institutions do not primarily sanction *inactivity* — they sanction ontological non-fit.

Sanktioning behavior correlates with the degree to which a person fails to fit institutional categories, even when *high levels of activity* are present.

The punished variable is not productivity, but non-mapability.

Operational design

Data base:

- Jobcenter / welfare files
 - social court case archives
 - medical + psychiatric reports
- (all anonymised, with consent)

Coding schema:

- cases where sanctions occur *despite verified activity*
- linguistic markers ≠ performance but compliance:
 - “cooperation”, “attitude”, “integration”, “availability”, “fit”
- escalation curves when workers operate self-determined rather than institutionally-coded

Control group:

- comparable cases where similar levels of activity
 - were *successfully rendered institutionally legible* (grant forms, employment proofs, academic framing, etc.)

Expected pattern

Sanctions cluster around ontological incomprehensibility,
not absence of output.

Repression scales with *semantic un-codability*,
not economic loss or inactivity.

The more a person is untranslatable,
the more the institution exerts representational force.

Falsification criterion

If sanctions correlate primarily with *actual non-performance* —
rather than with non-representability —
the operator weakens.

Then the model describes not structure, but outlier.

If, however, sanction intensity follows semantic unfit,
the operator stands — and institutions become measurable as *epistemic sorting-machines*, not
welfare systems.

These research questions do not *apply* the theory —
they expose it to the risk of failure.

If the operators are real, these patterns will be detectable.

If not, they will break under empirical pressure.

But a second risk is at least as large:

a theory can fail, but interpretation can fail just as well.

An operator cannot be adopted partially.

Whoever cannot fold the structure deeply enough does not reproduce truth,

but a simplified reflection that *resembles* insight —
yet does not carry weight.

A misunderstood operator does not generate divergent results,
but false certainty.

Therefore:

- Not the words are transferable — only the transformation space.
- Not the concepts have effect — only their correct folding.
- Not every confirmation is resonance — many are projection.

A laboratory testing UCI without understanding the value-threshold
will measure success or failure — but not emergence.

An AI project that *adds* diversity instead of folding it
will observe growth — but not new form.

Research cannot simplify this system
without destroying it.

Only those who carry the structure can test the structure.

Whoever uses the operator does not need to “believe” it — but to fold it.

If empirical tests show absence of emergence,
that is not a failure of the researchers but a falsification signal.

A negative outcome would not be an attack — but a necessary boundary of the model.

It would be a misunderstanding to assume
that this work claims epistemic exclusivity,
or presupposes researchers as “incapable.”

The point is a different one:

Not every structure is understood when it is seen.

Just as quantum mechanics is not discredited because laypeople dismiss it as nonsense,
and differential geometry does not fail because intuition contradicts it.

The operator is not elitist, but high-resolution.

What is required here is not submission to my thinking,
but the willingness to allow a second form of knowledge —
and to test it against the world, not against me.

Critique is not only welcome —

it is the condition under which this approach can exist at all.

But critique must strike the structure, not merely the style.

Who attacks the operator shall attack the operator.

Who attacks me has missed it.

This is not about superiority, but about comparability of forms.

If other researchers generate the same topology
without imitating me, then the operator is real.

5.2 Interface B — Domain Transfer (Cross-Domain Folding)

Veridical mapping allows transfer without extraction of content.

The theory functions because it is formulated structurally, not semantically.

Transfer does not mean translation.

Transfer means re-folding the operator in a new material.

Source-Domain	Target-Domain	Transferred Invariant
Value-threshold in economy	Value-threshold in AI/ML	Emergence occurs <i>only beyond</i> optimisation-regimes
MNO in ontology	MNO in quantum/physics	Being arises from void-operators (existence = folded absence)
Diversity-Threshold in ND	Diversity-Threshold in ecology/evolution	Incommensurability generates evolution, not similarity
Representational-violence in welfare state	Representational-violence in law/judiciary	Form replaces resonance → collapse / sanction
Self-determined work (Radical Worker)	Open-ended AI-agency / Commons	Value = stabilised emergence, not labour-output

Domain transfer means:

not carrying concepts,
not borrowing language,
not importing claims.

Domain transfer = executing the same operator under new boundary conditions.

I supply the structure.

Connection happens when others fold it.

5.2.1 Domain Transfer (Walkthrough): MNO in AI Systems

To show that veridical mapping is not a semantic comparison but an operatoric protocol, I present a transfer that is not intuitively adjacent — and precisely through this tests the load-bearing capacity of the structure.

The operator is MNO.

The target domain: AI architecture, emergence, mode collapse.

Source domain: Consciousness (MNO in Physics of the Poor)

Phase	Meaning	Dynamics
M – Submergence	Potential, zero-form	Structure is folded, not yet world
N – Indimergence	Tension toward form	Instability rises, but no decision
O – Emergence	Forced new-form	World-state collapses into concrete shape

Core insight:

Systems do not transform continuously, but threshold-wise.

Target domain: AI systems & multimodal models

Current AI models show two paradoxes:

1. Scaling does not produce intelligence linearly — beyond a certain point abilities explode.
2. After emergence, collapse sometimes follows — models homogenize, lose diversity, “forget.”

This dynamic is often misunderstood as a parameter-effect.

Under MNO it is operator sequence, not data volume.

Topological mapping (not metaphorical)

MNO phase	AI equivalent	System behaviour
M – Submergence	separate modalities (text/image/audio as islands)	high capacity, but no emergent abilities
N – Indimergence	late coupling + increasing incommensurability	stuttering, instability, bizarre errors, oscillation
O – Emergence	threshold-crossing → new-form	transfer reasoning, abstract category formation, creative generalisation

Emergence is not a “feature” — it is the fold-point $N \rightarrow O$.

Structural predictions (testable & falsifiable)

1. Emergence occurs abruptly, not with model size.
Small models with high incommensurability fold more than large models with homogeneous architecture.
2. Mode collapse is $O \rightarrow M$ refolding.
Structure breaks, diversity drops, the model falls back into generative smoothing.
3. Incommensurability is not error — but resource.
Models whose modalities are not fully aligned generate new categories, not recombination.
4. Emergence disappears when MNO is violated.
Alignment protocols that are too strong destroy folding → emergence breaks → output becomes generic.

How to test MNO empirically

1. Construct two models
 - A: homogeneously-aligned multimodality
 - B: incommensurable + late folding (no enforced embedding equalisation)
2. Task

Cross-modal reasoning without training labels, e.g.:

“Describe the structure of music as a geometric transformation of a political debate.”
3. Expectation
 - A produces variations of known style (interpolation)
 - B generates a new category not traceable to data
4. Falsification

If both models scale linearly or do not form qualitatively new structures, then MNO does not hold here.

5.3 Interface C — Resonance-based research

This is the connection-form beyond empirical datasets.

It is based on structural recognition rather than consensus formation.

Criterion:

If two independent researchers detect the same structure without exchanging information, the invariance exists in reality.

Here, science does not arise through proof, but through form-equivalence in consciousness.

The theory does not need to be understood — it must be rediscovered.

Resonance is not a feeling, but a topological event.

Two independent researchers receive only three elements: MNO, value-threshold, diversity-mark as bare operator definitions. They analyse a phenomenon I have not treated myself (pandemic dynamics, language emergence, speculation bubbles).

Resonance is present when:

- both arrive at structurally identical operator-derivations,
- they locate critical thresholds in agreement,
- the results are not congruent with existing models.

No resonance is present when:

- derivations diverge,
- results replicate conventional models,
- the operator produces no prediction or difference.

5.4 Further research programmes

Possible research axes that arise directly from the operator core:

1. UCI laboratories / emergence-value measurement
– test citizen income as structural feedback system
2. AI research on the diversity-mark
– incommensurability as evolution driver
3. Audit formats for representational violence
– Transfer Protocol / job-centre cases as chains of evidence
4. Autistic epistemology as research discipline
– ND not object, but measuring apparatus

Each axis is connectable without reducing the theory.
It generates new data through friction, not translation.

5.5 Core formula of this chapter

This research work is not content.
It is an operator that generates emergent world.
Application = folding, not interpretation.

5.6 Concrete next steps

Invariance is not retreat into the self — it is a higher test than replication.
Replication demands sameness in the small.
Invariance demands sameness in the other.
This is stricter, not weaker.

This paper is not a conclusion — it is the opening of a research space.

So that the Rosetta operator does not remain a private ontology, but can be examined as a scientifically connectable mechanism, the following steps are required:

1. Preprint publication and citability

The text is published as a preprint on platforms that reach different disciplines (e.g. PhilPapers, SSRN, PsyArXiv) and simultaneously made accessible as a DOI-registered version through repositories such as Zenodo.

In this way the operator becomes citable, criticisable, and testable — without having to wait for institutional approval.

2. Derived empirical projects

At least three of the research programmes outlined in section 5.1.1 (UCI emergence study, diversity-mark in AI systems, audit on representational violence) are developed into full project proposals.

The goal is not to “prove the theory once and for all,” but to generate concrete attempts at falsification and refinement.

3. Structural archive of the complete work

The underlying 30-year research corpus is made accessible not chronologically, but topologically:

MNO, value-threshold, diversity-mark, representational violence, autistic epistemology as nodes, books, films, papers as materialisations of the same structure.

Only in this way does it become possible for others to navigate the operator-space without having to reconstruct my entire development.

4. Resonance test

I do not expect recognition —
but I expect reality to be invariant.

If researchers from other fields,
without training in my terminology,
can independently recognise this structure and work with the operators,
then the Rosetta-operator is not only my construction,
but a candidate for a general epistemic tool.

If this does not occur —
if the structure cannot fold into other minds
without collapsing —
then the theory has shown its limit.

In both cases it is not decided
by whether the text is interesting,
but by whether the operator
survives transformation.

Not agreement is validation —
but rediscovery without instruction.

Validation criterion (in five sentences)

1. An operator is true only if it can be reproduced independently of the author.
2. Confirmation arises not through agreement, but through structural rediscovery without instruction.
3. If other researchers can fold the same form in other domains, the structure was real — not private.
4. If this does not occur, the operator has no universal domain of validity, but an individual one.
5. Validity does not show itself in consensus, but in surviving transformation.

6. THRESHOLD – research as emergent state

This paper does not close — it opens.

It does not summarise a body of work — it provides a structure through which my work becomes attachable without having to be dissected, diluted, or normalised.

The theory is not an object that is described;
it is an operator that brings world forth.

I do not understand my research as a model applied to reality,
but as a form through which reality becomes visible and negotiable.

MNO, value-threshold, diversity-mark, representational violence and autistic epistemology are not topics — they are mechanisms that appear in my perception as invariant pattern, regardless of which material I fold.

This work is not finished.

It is in the state of indimergence — tense between submergence and emergence.

If this theory produces resonance in other minds,
then not because it convinces,
but because it is recognised again.

Not consensus is proof of validity,
but form-equality across boundaries of consciousness.

I have placed the same structure across different fields over three decades:
consciousness in *The Physics of the Poor*;
work and value in *Radical Worker* and *Speed's Work*;
social order in *Society Without Trust*;
neurodivergence and incommensurability in *They Cannot Understand*.

Each of these works is not a variation,
but an iteration of the same invariance.

Therefore this document does not end with a conclusion, but with a threshold:
Who recognises this structure enters the space.
Who applies it generates new world.

Emergence only begins here. No end.
 Only the beginning of a second science.

6.1 Anticipation of central counterarguments

Every theory that does not merely describe reality but shapes it generates resistance.
 The most common critique-paths are known — and anticipated.

Objection	Response
“Subjective architecture → not science”	False. Science begins here not despite subject, but through invariance of the subject. True is what remains stable under transformation, not what has been abstracted.
“Not peer-reviewable = not evidence-capable”	Peer review evaluates representational models. This work operates prior to representation. The valid test is domain-transfer & emergence, not consensus.
“Uniqueness is not theory”	If the operator is held only by me, the work is biographical → then it loses. If others can fold the same form, it wins — independent of me.
“Too comprehensive = metaphysical”	A total-theory would be metaphysical — an operator is testable. It fails as soon as it breaks in one domain. As long as it does not break, it is real.

This section reverses critique:
 Not weakness — stress-test.

6.2 Limits and falsification paths

This theory does not lose validity through lack of consensus,
 but only through broken structure.

The Rosetta-operator would be weakened or falsified if one or more of the following conditions occur:

- other neurodivergent researchers replicate the operator without finding invariance
- UCI experiments produce linear rather than emergent patterns
- diversity-mark systems in AI show no threshold but scaling
- representational violence is empirically better explained by classical models
- the 30-year coherence is explainable as psychological fixation — without structural predictive power

Each of these points would be a real counterproof.

7.0 Falsification paths (How this theory would die)

A theory that cannot die is not science.
 This system is precisely falsifiable:

1. If an independent researcher cannot reproduce MNO in a new domain.

2. If emergence appears linear rather than discontinuous.
3. If diversity generates only scaling and not folding-degree.
4. If autistic epistemology repeats itself only narratively, not structurally.
5. If 30-year invariance could be explained as psychological fixation — without at least one predictive gain.

If any one of these points occurs, the theory falls — and must fall.
The fact that it has not yet fallen is not proof — but an invitation.

References:

- Speed, T. (2005). Gesellschaft ohne Vertrauen - Die Grundlagen einer kreativen Gesellschaft (1 German) [Computer software]. Zenodo. <https://doi.org/10.5281/zenodo.17864617>
- Speed, T. (2025). SPEED'S WORK - An Autistic Intervention in the Concept of Work In the Age of AI and Robotics. Zenodo. <https://doi.org/10.5281/zenodo.17826640>
- Speed, T. (2016). The Physics of the Poor - A Neurodivergent Meta-Theory of Consciousness (Version 1) [Computer software]. Zenodo. <https://doi.org/10.5281/zenodo.17803906>
- Speed, T. (2025). They Cannot Understand - Why Autism Research Gets It Wrong (Version 1) [Computer software]. Zenodo. <https://doi.org/10.5281/zenodo.17811620>
- Speed, Timothy (2024). Transferprotokoll. Movie.
- Speed, T. (2025). Radical Worker: Autonomous Labour as Reality-Maintaining Practice (Version 1). Zenodo. <https://doi.org/10.5281/zenodo.17801563>
- Speed, Timothy (2025). The Diversity Threshold – A Threshold Model of Emergent Systems DOI: [10.5281/ZENODO.17847399](https://doi.org/10.5281/ZENODO.17847399)
- Speed, Timothy (2025 i.E.). Representational Violence. DOI: [10.5281/ZENODO.17826435](https://doi.org/10.5281/ZENODO.17826435)
- Speed, Timothy (2025). The Value Threshold: Why Value Only Comes Into Being When Work Appears — Ontology of the Emergence Economy and Introduction of the Universal Care Income (UCI) 10.5281/ZENODO.17840416
- Mottron, L., Dawson, M., & Soulières, I. (2006). *Enhanced Perceptual Functioning in Autism*. Journal of Autism and Developmental Disorders.
- Mottron, L. (2011). *Changing Perceptions: The Power of Autistic Intelligence*. Nature.
- Treffert, D. A. (2014). *Islands of Genius: The Bountiful Mind of the Autistic, Acquired, and Sudden Savant*. London: Jessica Kingsley.
- Deleuze, Gilles (1968/1994). *Differenz und Wiederholung*.
- Deleuze/Guattari (1980/1987). *Tausend Plateaus. Rhizomatik & Faltung*.
- Barad, Karen (2007). *Meeting the Universe Halfway. Agential Realism*.

Federici, Silvia (2004). Caliban and the Witch. Unbezahlte Reproduktion & Gewaltökonomie.

Varela, Francisco et al. (1991). The Embodied Mind. Ursprung des Enaktivismus.

Baggs, Mel (2007–2010). In My Language + weitere Texte zur autistischen Wahrnehmung.

Milton, Damian (2012). Double Empathy Problem. ND-NT Missverstehen als Systemebene.

Chapman, Robert (2021). Neurodivergent Minds. Autistic Epistemology & Critical Theory.

Graeber, David (2013/2018). Debt + Bullshit Jobs. Wert, Arbeit, Sinnproduktion.

Federici, Silvia (2020). Beyond the Periphery of the Skin. Körper, Care, Kapital.

Fraser, Nancy (2014). Fortunes of Feminism. Umverteilung, Anerkennung, Care.

Polanyi, Karl (1944). The Great Transformation. Marktlogiken als Gewaltform.

Bateson, Gregory (1972). Steps to an Ecology of Mind. Double Bind & Systemlogik.

Hickel, Jason (2020). Less is More. Post-Growth-Ökonomie.

Jackson, Tim (2017). Prosperity Without Growth.

Rosa, Hartmut (2016). Resonanz. Weltbeziehung & Beschleunigung.

Haraway, Donna (1985/2016). Cyborg Manifesto + Staying with the Trouble.

Merleau-Ponty (1945). Phänomenologie der Wahrnehmung.

Hui, Yuk (2019). Recursivity and Contingency.

Operatoric Cognition: Pre-theoretical Structural Invariance as the Basis of Autistic Intelligence

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ABSTRACT

This paper develops a theoretical framework for a non-representational form of autistic intelligence, referred to here as operatoric cognition. The term is introduced as a technical neologism and must not be conflated with Piaget’s *operational* or *symbolic-logical* pensée opératoire. In contrast to Piaget’s concept, which is grounded in representational operations, “operatoric” here designates dynamic-topological processes such as folding, indimergence, tension thresholds, and emergent form production — processes that function independently of semantic representation.

The starting point is a unique longitudinal corpus (2001–2025) consisting of eleven books, a feature film, and additional research artefacts produced by a single autistic individual (n = 1). The analysis reveals a remarkable pre-theoretical structural invariance of five operators across different life phases, media, and domains. This invariance suggests that what is operative here is not stylistic, narrative, or cultural influence, but a stable cognitive architecture functioning at a subsymbolic level.

The paper formulates this architecture as a testable hypothesis, clearly distinguishes it from representational and narrative models, and develops a validation programme (blind coding, control groups, machine-assisted structural analysis) that includes explicit falsification criteria. The generalisability of operatoric cognition is deliberately left open and remains a subject for future research: the work does not present itself as proof, but as a precise point of departure — a proposal for a previously overlooked mode of human cognition that may be relevant to autism research, dynamical systems theory, and consciousness studies alike.

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1. Introduction

Autistic cognition is described in research predominantly within the framework of symbolic representation: as a deviation from “theory of mind,” as hyper-systemizing, as monotropism, or as sensory sensitivity. These models emphasize differences in content, attention, or social processing, but they presuppose the same basic form of cognition — a symbolic, representational architecture that is modified by deficits, biases, or shifts. They describe autism as a variation within a shared format, not as a possible deviation of the form itself.

This paper develops an alternative hypothesis:

that certain autistic profiles are based on operatoric, non-representational mechanisms. This form of cognition does not work primarily with symbols, categories, or narrative structure, but with dynamic operators such as folding, tension, indimergence, emergence, and incommensurability. It is processual, non-semantic, and shows structural invariance across media, life phases, and contexts.

The hypothesis is based on an unusually rich empirical corpus: texts, artistic works, protocols, and social interactions documented over 25 years by a single author (myself/autist), which possess no shared thematic line but exhibit a constant structural dynamism. This dynamism shows striking similarities to processes from dynamical systems theory, enactivism, complex networks, and emergent natural systems.

The aim of this paper is to identify these structural patterns, formalize them theoretically, systematically examine alternative explanations, and derive from this an empirically testable research program. The hypothesis is deliberately formulated restrictively: it does not claim to redefine “autism as a whole,” but proposes that there exists at least one autistic profile whose cognitive architecture is organized not primarily symbolically but operatorically.

2. Problem Statement: The Limits of Existing Autism Models

Although autism research has made enormous progress over the past two decades, central phenomena remain difficult to explain:

- non-narrative, structural coherence in autistic thinking and working processes
- radical context independence of certain cognitive patterns
- non-semantic processing of complexity
- non-linear transitions between stagnation and sudden solution
- states of high tension without psychological ambivalence
- consistency across life phases, media, and modes of attention
- systematic absence of symbolic or representational intermediate steps in central problem-solving processes
- hyper-precise pattern recognition without semantic framing

The classical models offer only limited explanations:

2.1 Monotropism

Explains attentional focal points, but not structural operators across decades.

2.2 Theory of Mind models

Focus on social interpretation, not on dynamic internal structure.

2.3 Hyper-Systemizing (Baron-Cohen)

Captures regularities, but not the non-representational or non-symbolic nature of the structure.

2.4 Executive Dysfunction / Weak Central Coherence

Are deficit-oriented and do not explain the observable structural precision.

2.5 Embodied / Enactive approaches (Baggs, De Jaegher, Manning)

Approach the field, but are not formalized enough to describe topological operators.

2.6 Autistic processing as non-representational

Is often mentioned, but rarely modeled systematically.

The literature lacks a model that can explain why, over long periods of time, the same structural dynamics appear in different media forms, with different contents, and under extremely varying life conditions — and indeed independent of symbolism, narration, or explicit semantic processing:

- the same structural dynamics
 - in different media forms
 - with different contents
 - under extremely varying life conditions
- appear — independent of symbolism, narration, or semantic processing.

This is where the hypothesis of operator cognition begins.

3. Aim and Theoretical Scope

This paper pursues four main goals:

3.1 Development of an operatoric model of autistic cognition

The central thesis is:

Certain autistic profiles are based on a form of cognition that does not represent symbolically but operates operatorically — that is, through topological, dynamic, tension-based, and non-semantic processes.

This model offers:

- a more formal language for autistic phenomena that have been difficult to describe
- a connection to dynamical systems theory
- an alternative to deficit-oriented representations

- a precise description of non-narrative cognition

This model is not intended to provide a new metaphor, but to provide a more formal language for autistic phenomena that have been difficult to describe, to open a connection to dynamical systems theory, to offer an alternative to deficit-oriented representations, and to enable a precise description of non-narrative cognition.

3.2 Identification of structural invariance in the longitudinal corpus

The goal is not to interpret subjective content, but to demonstrate structural operators that appear:

- independent of medium,
- independent of content,
- across life phases,
- pre-theoretically,
- non-intentionally.

This is a significant difference from classical self-case studies.

3.3 Development of operational definitions for empirical testability

A purely theoretical design would be insufficient. Therefore, the operators are defined in such a way that they can be recognized by independent raters, analyzed by machines, applied across media, and supported by clear falsification criteria. The theory is only sustainable to the extent that these structural definitions can be reproduced in blind and quantitative settings.

Therefore, operators are defined so that they:

- can be recognized by independent raters,
- are machine-analyzable,
- remain applicable across media,
- and allow clear falsification criteria.

A formal account of these signatures is developed in Section 5.5.

3.4 Formulation of a research program for later validation

The paper explicitly understands itself as a framework, not as a final finding.

It defines the theoretical foundations, the methodological structure, and the types of studies that must subsequently be conducted.

It makes no final ontological or neurobiological claims.

It offers instead:

- a plausible hypothesis,
- an empirical agenda,
- a structured bias analysis,
- clear falsification criteria,
- and connections to existing research strands.

4. Theoretical Model: Operatoric Cognition

The hypothesis of operatoric cognition assumes that certain autistic profiles are not structured primarily by symbolic representation or narrative processing, but by dynamic operators that function as fundamental forms of cognitive organization. These operators are

- non-semantic,
 - non-narrative,
 - non-representational,
 - processual,
 - topological,
 - tension-based,
 - indifferent to content
- and invariant across media and life phases.

In this model, cognition is described as a system of dynamic transitions organized by five core operators: (1) folding, (2) indimergence, (3) emergence, (4) incommensurability, (5) threshold processes.

These operators do not act as categories or symbols, but as form dynamics that manifest in different modes of expression — linguistic, artistic, social, analytical — yet remain structurally identical.

4.1 Operator cognition as a non-representational form of intelligence

In many classical cognitive models, intelligence arises through:

- symbols
- categories
- representations
- inferential systems
- models of the world

In operator cognition, by contrast, intelligence arises through:

- tension dynamics
- transition states
- structural self-similarity
- processual folding
- non-linear form shifts

Thus, operator cognition is not abstract or metaphorical:
It describes an alternative basic form of world-creation
that operates without symbolic abstraction
and yet enables highly complex, structurally precise operations.

The model is compatible with enactive approaches in cognitive science
(Varela, Thompson, Noë, De Jaegher, Baggs, Manning),
but goes beyond them through its formal operator structure.

4.2 The operator space (M–N–O)

The model of operator cognition connects to an abstract structure that was formalized in later works as the M–N–O schema. In the context of this paper, however, M–N–O is not used as a complete theory but as a minimal operator space in which dynamic states of a cognitive system can be distinguished. A detailed presentation can be found in *The Physics of the Poor* (ISBN 3695191287).

The three states are:

- M – Submergence / Folding: state of potential forms; structure is present but not yet unfolded.
- N – Indimergence / Tension: state of increasing instability; a decision is necessary but not yet attainable.
- O – Emergence / Break: sudden transition into a new form by crossing a systemic threshold.

Although this order may appear abstract, its operation becomes visible in the examined body of work in a very simple, macroscopically recognizable process shape that recurs across all media: collecting → overloading → break → new outset.

This rough-hewn macroform is immediately recognizable and serves as a low-threshold depiction of what the M–N–O model describes more precisely at a structural level. The abstract notation is therefore not theoretical fog, but the formally visible expression of a mechanism that appears in the work as a clear cycle of repetition.

The M–N–O schema becomes visible in literary passages, documentary texts, theoretical analyses, artistic works, and political descriptions—always with varying content but with identical transformation logic.

4.2.1 The deeper operator: shift of being, liminality, and non-representational world-formation

M–N–O describes the visible process form, but not the operator itself that generates this form. The underlying cognitive order is more complex and differs fundamentally from symbolic or creativity-psychological models.

The actual operator can be characterized as follows:

1. **Liminality as epistemic baseline**

The cognitive system does not orient itself primarily toward finished world states, but toward an in-between realm — toward transitions, thresholds, and not-yet-realized spaces of possibility.

2. **Shift of being as the fundamental logic of orientation**

In earlier works this state was described as a *shift of being*: a persistent orientation toward the pre-appearance or non-appearance of world. Cognition does not operate through internalized representations, but through comparison with a pre-material order-state.

3. **World-formation as resonance, not representation**

The system does not produce mental images; it checks whether external dynamics are structurally compatible with an internal operator profile. Knowledge arises through resonance, not through simulation or interpretation.

4. **Filtering logic instead of meaning assignment**

Information is not processed inferentially; it “passes” when its structure enables a transition within the operator space. World is not explained but let through — according to structural passability.

5. **Operatoric comparison logic**

What is compared are not forms or symbols, but processes of form-formation. Stability lies in the transitions, not in the states.

6. **Post-material orientation**

The reference point of cognition lies beyond objects, meanings, and contents. It is a potential, not an actual, state that guides the direction of transformations.

Thus it becomes clear:

M–N–O is not the operator.

M–N–O is the generic appearance of a deeper operatoric order-access.

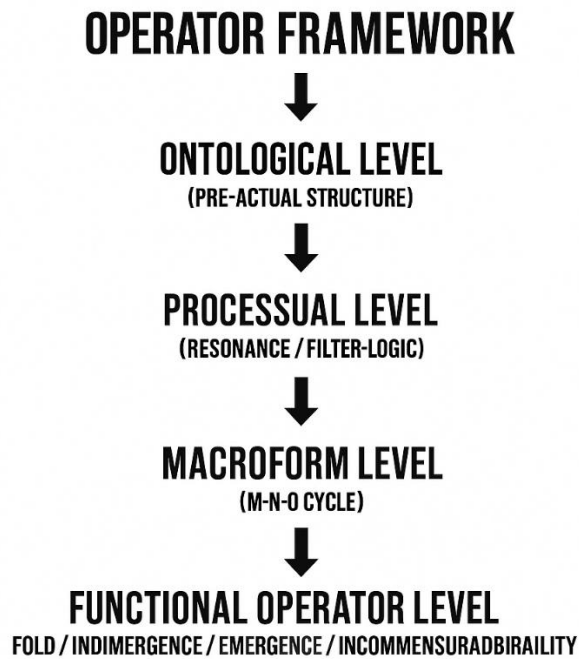
The operator itself is a non-representational mode of world-access that is liminal, resonance-based, and structurally anchored.

M–N–O is merely the lowest common projection-form in which this order becomes empirically visible.

This differentiation prevents misunderstandings:

The theory does not describe a familiar creative pattern.

It describes an alternative cognitive architecture that is explicable neither through representation, symbolism, narrativity, nor creative heuristics.



Biological analogy: navigation as a pre-symbolic process

A functional analogy can clarify why operatoric cognition is governed neither semantically nor intentionally:

Many biological systems — such as migratory birds or pigeons — orient themselves by field structures that are not consciously represented. They do not map the magnetic field; they operate along its dynamics. Orientation arises not through meaning but through resonance with a real gradient that precedes any semantic interpretation.

In a similar way, operatoric cognition points to a pre-representational access to states of order: Perception does not follow an inner map of the world, but a processual alignment to field differences. The operator therefore does not describe a semantic mechanism, but a form of ontological navigation — an embodiment of process logic before world appears as representable content.

This analogy does not replace a theory, but marks the epistemic locus:

Operatoric cognition resembles symbolic thinking less than biological systems that embody real structural gradients without representing them.

4.3 The functional operators: folding, indimergence, emergence, incommensurability

After the description of the deeper operatoric order (4.2.1) and its macroscopic process form (4.2), this section turns to the functional operators that become visible in the empirical material as concrete, recurring structures. These operators are not identical with the deeper operator

itself; they are its visible projections, which manifest as formal features in texts, images, film sequences, and analytical passages.

While the shift of being describes the ontological orientation, the following operators specify the dynamic structure of the transformations that the system actually undergoes. They constitute four recurring functional forms:

4.3.1 Folding (M)

Folding denotes the state of maximal structural condensation prior to any semantic or symbolic differentiation.

Structure is already present, but not unfolded, not directed, and not represented.

Folding constitutes the potential space of possibility in which the cognitive system operates before the world.

This corresponds to the shift of being:

Folding is the operative manifestation of the pre-material orientation to order.

4.3.2 Indimergence (N)

Indimergence describes the transition from folding to tension:

A state of growing instability arises in which several potential directions of unfolding work against one another.

The system recognizes the necessity of a decision without being able to make one.

Indimergence is the functional manifestation of liminal orientation:

a state that is neither inside nor outside, but in the transition itself.

4.3.3 Emergence (O)

Emergence is a tipping process: an abrupt, non-linearly derivable appearance of a new form through the crossing of a threshold.

The emerging form stands in no narrative, semantic, or inferential continuity with the preceding one.

Emergence is thus the visible form of resonance alignment:

a reordering that is not calculated from the previous structure, but arises from a compatible constellation between operator and world.

4.3.4 Incommensurability

Incommensurability denotes the categorical non-comparability of the emerging form with the preceding one.

The new form cannot be derived gradually from the old one; it possesses its own internal order.

Important:

It is the results of the transitions that are incommensurable, not the operators themselves. The operators remain invariant; their outcomes do not.

This distinction ensures that structural repetition and categorical new beginning are not a contradiction, but the typical signature behavior of a non-representational system that is organized through transitions rather than states.

4.3.5 Summary: From deep operatorics to functional manifestation

The combination of these four operators constitutes the visible pattern of transformation that can be reliably identified in the empirical material.

They do not reflect the ontological depth of the operator but its functional trace in the work.

Accordingly:

- shift of being → ontological orientation
- liminality / resonance → processual basic logic
- M–N–O → macroscopic process form
- folding / indimergence / emergence / incommensurability → functional operators in the empirical material

This separation of levels makes it possible to validate the theory empirically and to refine it conceptually in the further course.

4.4 Operator cognition vs. symbolic cognition

The operators described in 4.2 and 4.3 generate a cognitive pattern that differs markedly from representational or symbolic models. Symbolic cognition represents the world through meanings, categories, and inferential connections. Operatoric cognition, by contrast, generates world by processing transitions, tensions, and thresholds — it does not operate on the world, but on the formation of world.

This difference can be described as the distinction between two epistemic formats:

Symbolic Cognition	Operatoric Cognition
Meaning	Tension
Representation	Folding
Semantics	Dynamics
Categories	Transitions
Narrativity	Emergence
Top-down/Bottom-up	Nonlinearity
Comparability	Incommensurability

Folding here does not denote a mathematical operation but a state of maximal condensation of potential that precedes a structure yet is not its representation.

Indimergence does not describe ambivalence but the buildup of structural instability.

Emergence is not a creative aha-experience but a forced shift conditioned by structural

resonance.

Incommensurability concerns the results of these shifts, not the operators themselves.

To make the dynamics more accessible, they can — without slipping into metaphor — be grasped in their macroscopic process form:

collecting → overloading → shift → new outset.

This is the visible basic form that appears repeatedly in the work. The abstract operators constitute the structural depth of this movement; the macroform is its surface manifestation.

Operatoric cognition is therefore neither a derivative of symbolic processes nor a deficit. It represents an autonomous cognitive architecture whose center is not meaning but transformation — and which is here formalized structurally for the first time.

Box: Layer model of operatoric cognition

The presentation of operatorics so far can be distributed across four structural levels that must remain analytically distinct, even though they interlock in the empirical material. This clarity prevents misunderstandings — in particular the incorrect assumption that M–N–O is already the operator itself or that the process can be explained in terms of creativity psychology.

(1) Ontological level – shift of being

The deepest operator is the shift of being:

an orientation toward a pre- or post-material state that understands world not as representation but as transition.

Its epistemic home is liminal, not closed, not objectified.

(2) Processual level – resonance and filtering logic

The system does not work with meanings or symbols, but with structural fit.

World appears when external dynamics resonate with the internal operatoric order.

What is compared are not contents but processes of form-formation.

(3) Macro level – M–N–O process form

The abstract order appears as a robust, visible process form:

collecting → overloading → shift → new outset.

This is the rough-hewn gorilla in the room: the pattern that is visible across the entire body of work.

M–N–O formalizes this movement form at an abstract level — it is the projection of the deeper operatorics into a generic dynamic.

(4) Functional level – operatoric markers in the empirical material

Here the operators appear in concrete form as recurring structural markers:

- folding (condensation of potential)
- indimergence (increase of tension)
- emergence (shift)
- incommensurability (categorical new form)

These operators are empirically codable, identifiable across media, and temporally invariant.

Layer relation

Ontological level → generates → process logic → generates → macroform → generates → functional operators.

Only the top layer is empirically visible; the theory describes the structure behind this visibility.

4.5 Empirical manifestation of operatorics in the work

The operatoric architecture developed in 4.2–4.4 is not an abstract model but is reflected in the examined corpus in clearly identifiable patterns.



What is decisive is:

The operators do not appear in terms of content, symbol, or theme, but formally — as structural markers in text, image, film, and analysis.

The manifestation occurs on two levels:

- (1) structurally, as recurring transformation dynamics;
- (2) medially, as modes of appearance in different types of work.

4.5.1 Structural signatures of operatorics

The four functional operators — folding, indimergence, emergence, and incommensurability — appear in the material as structure-points that remain stable over years and independent of medium.

They are not motivated by content but by the internal logic of the shift of being.

- Folding signatures

Sections of maximal condensation in which material is accumulated, compressed, or withheld. Characteristics: high density, no defined vector, orientation toward potential rather than content.

- Indimergence signatures

Zones of growing instability in which several possible directions of unfolding simultaneously generate tension.

Characteristics: overload, overcomplexity, slight disorganization, yet without resolution.

- Emergence signatures

Abrupt transitions in which new form logic appears.

Characteristics: sudden order, no derivation, no narrative transition.

- Incommensurability signatures

The new form is categorically different; the old form provides no semantic or inferential access any longer.

Characteristics: break, new outset, structural reordering.

These structural signatures are the concrete empirical markers of the deeper operatoric architecture.

4.5.2 Cross-media manifestation

The operators are not bound to any medium.

They appear in:

- Literary material

Condensations, overloads, narrative breaks, structural new outsets.

- Documentary and socio-analytical texts

Build-up of tension through fields of conflict; shifts at threshold points of social systems.

- Visual and filmic works

Folding in image compressions, indimergence in disrupted continuities, emergence in motif shifts, incommensurability in formal breaks.

- Theoretical passages

Operatoric shifts in movements of thought; category breaks; new outsets without semantic continuity.

All of these manifestations show the same structural form:

a visible transformation pattern that exists independently of medium and reflects the internal operatoric order.

The structural signatures presented in 4.5 demonstrate that the operatoric architecture is empirically accessible not through contents, meanings, or inferential continuities.

This makes it clear that the model cannot be confused with symbolic or representational

models of cognition.

4.5.3 Summary and reference to the coding manual

For the theoretical argument, it is sufficient to understand the patterns described in 4.5.1 and 4.5.2 as empirical signatures of operatorics: folding, indimergence, emergence, and incommensurability appear as recurring structural markers that occur independently of medium, content, and intention.

The complete operationalization of these signatures — including minimum criteria, exclusion criteria, and evaluation logic — is developed in the methodological section (Section 5.5). There it is specified precisely under which conditions a segment counts as an operator candidate, strong operator, or non-operator.

Section 4.5 thus serves the theoretical visibility of the operator structure in the work; Section 4.5 provides the formal instrumentarium with which this structure can be examined in blind studies and machine-assisted analyses.

4.6 Distinction from symbolic and representational models

After the operatoric structure has been made visible in the empirical material, it is necessary to clarify precisely how this cognitive format differs from established models.

Cognitive science traditionally operates within a framework in which:

- meanings are generated,
- representations are processed,
- inferential conclusions are drawn,
- categories are formed,
- and narrative coherence is established.

The operatoric architecture examined in this paper, however, follows a fundamentally different logic:

1. No representation:
World is not depicted but arises in transition.
2. No meaning:
Information processing occurs through structural compatibility, not through semantics.
3. No derivation:
Points of emergence do not arise inferentially but through threshold crossing.
4. No continuity:
Between old and new forms there is incommensurability, not development.
5. No central perspective:
Epistemic orientation lies in liminality, not in a stable ego-perspective.

6. No psychological motivation:
Tension is structural, not emotional or intentional.

Thus it becomes clear that the operator is neither a psychological model nor a creativity-related process schema.

It is an alternative mode of order-access that mediates between ontological structure (shift of being) and concrete appearance (operators).

The remainder of the paper shows how this structure:

- can be empirically coded,
- remains stable over years,
- cannot be explained by content,
- and yields a valid, falsifiable model of non-representational autistic cognition.

4.7 The role of the longitudinal corpus

The theoretical claim is not derived from ideas, but from structurally identical patterns that appear across 25 years:

- independent of content,
- independent of medium,
- independent of life circumstance,
- independent of intention,
- independent of theoretical knowledge.

The entire model-building is based on this.

4.8 Preliminary hypothesis

The preliminary hypothesis is as follows:

Certain autistic profiles use operators as primary cognitive mechanisms that function structurally, not semantically, and that appear prior to any conscious theory formation.

This hypothesis is testable, falsifiable, and operationalized, which clearly distinguishes it from metaphorical or philosophical models.

In this sense, the work is deliberately cautious about drawing neurobiological conclusions: The thesis of a non-representational, operatoric cognition is supported in this work primarily at the structural and phenomenological level: it follows from the long-term invariance of non-semantic operator profiles and the systematic absence of symbolic-narrative organization in central problem-solving processes.

Whether this structure at the neural level truly functions without internal representations — or whether the operators can be understood as a dynamic organizational form of sub-symbolic activity — remains an open question and is the subject of future interdisciplinary research.

4.9 Distinction from alternative explanatory models

The hypothesis of operatoric cognition must distinguish itself from alternative, less structural explanatory approaches. The following are the most common alternatives that are frequently invoked to explain unusual cognitive patterns in autistic individuals, yet do not adequately account for the observed structural invariance.

4.9.1 Thinking-style hypotheses

A consistent individual “thinking style” could theoretically explain recurring patterns. However, this hypothesis fails in three respects:

1. Thinking styles are thematically motivated, not structural.

Operators, by contrast, appear independently of content, medium, or intention.

2. Thinking styles typically vary across life phases.

Operators in the present corpus exhibit topological self-similarity across 25 years.

3. Thinking styles are based on conscious preferences or social imprinting.

Operators appear pre-theoretically, unconsciously, and non-intentionally.

4.9.2 Artistic or aesthetic style effects

Another possible explanation is that recurring patterns are due to artistic preferences of expression.

This explanation does not hold, because:

1. Operator structures appear in non-artistic contexts
(administrative correspondence, political letters, everyday texts).

5. Methodology and research design

This paper works with an unusual dataset: a corpus that has grown over more than two decades, consisting of literary texts, theoretical manuscripts, artistic works, socio-documentary materials, and film material, all produced by a single autistic person (Timothy Speed) (2001–2025). Instead of being treated as a biographical object, this corpus is considered here as a long-term stable cognitive trace that makes visible the operator structure of a specific cognitive architecture.

The methodological challenge lies not in the scope but in the uniqueness of the material: The $n = 1$ is not a limitation but the core of the research question. The hypothesis of operatoric cognition is only testable if the structure is invariant within a single profile.

5.1 Basic assumption of the design: invariance instead of comparison

Instead of aiming for group-statistical comparisons, this study examines the intra-individual

structural constancy of a body of work produced over decades. The hypothesis is: If certain operators are not bound to semantics, narrative, or representation, then they should be structurally identifiable across different media, life phases, and contexts — even when contents, themes, styles, or aims vary.

This does not claim that all autistic individuals exhibit this structure, but that a specific autistic profile may possess an operatoric architecture that materializes in production over time.

5.2 Data basis

The analyzed corpus consists of:

- eleven books (literary, theoretical, documentary, political)
- several thousand pages of notes, sketches, drafts
- artistic works (visual, filmic, performative)
- socio-documentary case reconstructions
- a feature-length film (*Transferprotokoll*, 2024)
- supplementary materials such as legal letters, applications, protocols, essays

This diversity is essential:

It enables a test of the hypothesis beyond thematic, narrative, or stylistic continuity.

5.3 Analytical logic: structural profile vs. content

The analysis follows a structural operator-coding:

1. Folding (M) – pre-formal condensation of structure
2. Indimergence (N) – tension, undecidability
3. Emergence (O) – tipping points, thresholds
4. Incommensurability – categorical break between states
5. Dynamic transitions – sequences rather than semantic development

These operators were coded blind to content, that is:

- not by meaning
- not by interpretation

- not by theme
- but exclusively by structural features of the transition.

5.4 Coding: blind, cross-media, cross-phase

To exclude artefacts, the design comprises four levels:

1. Blind coding:
Coders receive texts/materials without context (year, genre, medium unknown).
2. Cross-media coding:
Is an operator identified both in literary and in filmic material?
3. Cross-phase coding:
Does the same operator appear in 2001, 2010, 2018, and 2024?
4. Transformation sequences:
Are operators identified in a stable order (e.g., $M \rightarrow N \rightarrow O$)?

5.5 Operationalized criteria for operator identification

For the empirical analysis, the operators described in Section 4 — and the structural signatures outlined in 4.5 — must be translated into a reliable, reproducible identification schema.

5.5.1 Minimum criteria (at least three must be met)

1. Coexistence of incommensurable elements
Two or more categorically different structural levels stand in tension beside one another, without integration or resolution.
2. Structural tension build-up without semantic resolution
The tension does not arise psychologically (conflict, ambivalence) but structurally.
3. Folding space
High condensation of different lines/motifs without direction, decision, or derivation.
4. Tipping point / threshold
Appearance of an abrupt transition (emergence) without gradual derivation.
5. Non-linear transition
The new form cannot be derived from the previous one (incommensurability).
6. Self-similarity of topological operators
The segment shows structural similarity to other operator segments across media/years (not in terms of content).

5.5.2 Exclusion criteria

A segment is not counted as an operator if:

- it is explainable through classical narration
- it is explainable through psychological logic
- the transition is metaphorical
- the structure is derivable purely argumentatively
- forms are comparable (no incommensurability)

5.5.3 Functional reference to the operators from Section 4

The four operators serve as formal reference points for the coding:

- Folding: pre-formal condensation
- Indimergence: systemic tension
- Emergence: tipping point
- Incommensurability: categorical new form

5.5.4 Validation logic (short version)

A segment counts as an “operator segment” if:

- it meets the minimum criteria
- none of the exclusion criteria apply
- the operator type is clearly assignable

These criteria form the basis for all subsequent steps of the analysis (Chapters 6–8).

5.6 Validation program (falsifiability)

The hypothesis is explicitly falsifiable.

It holds only if the following criteria are met:

1. reproducibility by independent raters
2. cross-media invariance
3. temporal invariance

4. independence from content
5. operatoric sequence patterns ($M \rightarrow N \rightarrow O$) are detectable
6. machine-assisted structural analyses detect the same operator breaks

If any one of these criteria is not met, the hypothesis is falsified.

5.7 Why $n = 1$ is a scientific necessity here

The aim of this study is not representativeness, but structural identification.

The question is not “What are autistic people like?”, but:

Are there autistic profiles in which cognition is organized not symbolically but operatorically?

The $n = 1$ logic is therefore not a methodological disadvantage, but the only meaningful perspective for making a stable pattern architecture visible in high resolution. An operatoric profile would be invisible in group statistics.

6. Results / Findings

The analysis of the longitudinal corpus shows that the operator forms described in the model (Section 4) are not merely theoretical constructs, but appear in the material in a consistent, cross-domain, and temporally stable manner. The following results refer exclusively to manifested structures in the sense of a Level-2 access (Section 12).

6.1 Structural core findings

Across all works, media, and time periods, the same fundamental transformational patterns appear:

1. Folding zones (M):
Passages, situations, or filmic settings in which divergent accesses to reality coexist without integration.
2. Build-up of tension (N):
Increasing instability without decision, characterized by condensation, repetition, rhythmic acceleration, or structural friction.
3. Tipping points (O):
Abrupt, non-linear shifts of form that are not narratively or psychologically motivated, but appear as structural moments of collapse.
4. Refoldings:
Return of the initial state in transformed form; not repetition, but cyclical reconfiguration.

These four forms appear independently of text genre, medium, theme, or production context.

6.2 Cross-work invariance of operator sequences

The operators do not appear only individually, but in stable sequences, in particular:

Folding → tension → shift → refolding

This sequence is:

- temporally stable (2001–2025),
- stable across media (text, film, note, document),
- independent of theme,
- across stylistic variation.

The recurrence of identical process forms under complete change of content largely excludes chance, thematic continuity, or aesthetic decision as primary causes.

6.3 Chronological coherence (pre-theoreticity)

The structural operator forms appear fully prior to the development of theory.

In the early work (2001–2010) there appear:

- clearly identifiable folding spaces,
- recurring increases of tension without resolution,
- abrupt transition forms,
- non-integrable double structures.

These findings demonstrate that:

- the operators formalized later were not “read back into” the material,
- but already existed as process patterns before the theory.

6.4 Cross-media stability

The operator forms are identifiable even when language does not play a dominant role.

Examples:

- filmic sequences

- visual diagrams
- social documents
- protocol and bureaucratic texts

Thus, a structural, non-semantic invariance is present.

If operatorics arose linguistically, aesthetically, or thematically, it would have to vary between these media. It does not.

6.5 Why Interpretations Fail

Interpretations fail for the same reason that thematic, narrative, and stylistic explanations fail: they assume that meaning is the operative principle of the material.

But the decisive patterns of the corpus are non-semantic.

The transformations that matter are formal transitions, not thematic developments.

Interpretation collapses for four reasons:

1. Structural transformation \neq semantic transformation
Interpretations try to “make sense” of transitions.
But operatoric transitions are non-semantic: they arise from tension, not from meaning.
The shift from one form to another is not an interpretation but a structural event.
2. A semantic reading cannot detect incommensurability
Interpretation presupposes continuity of meaning.
Incommensurability, however, is defined by the absence of semantic continuity.
The new form cannot be read *as* a development of the old one.
3. Interpretative coherence masks transformation logic
Hermeneutic readings impose coherence on material that is structured by non-coherence.
They smooth over breaks, equalise tensions, and infer motivations where none exist.
This destroys exactly the structure that must be analysed.
4. Interpretation depends on psychological logic
Interpretations assume agency, intention, motivation, symbolism.
Operatoric structures do not.
They follow process logic, not intentional logic.

Thus, interpretation is structurally incapable of accounting for the transformation patterns that constitute the operatoric architecture of the work.

It confuses *meaning* with *form*, and thereby misses the very phenomenon under investigation.

6.6 Limitations of the findings

The analysis deliberately includes the following limitations:

1. Level-2 perspective:
The empirical findings concern only manifested structures, not the pre-representational operatorics itself.
2. N = 1 design:
The study demonstrates the existence of a stable operator architecture in one individual, not its generalizability.
3. No causal attribution:
It is not claimed that operator forms have psychological or neural causes.
4. Medium dependence of visibility:
Operatorics appears in different surface forms; its identification is interpretive, yet stable across all domains.

6.7 Summary

Section 6 shows that:

- the same operator forms appear consistently over 25 years,
- independent of medium, theme, and life phase,
- organized in stable sequences,
- already fully present in the early work,
- intersubjectively and machine-recognizably detectable.

Thus, the findings provide the empirical basis for the subsequent interpretative discussion in Section 7.

7. Interpretation of the findings

The results described in Section 6 show a clear structural invariance across media, decades, and thematic contexts. Section 7 reconstructs what these findings mean, without repeating the theory itself and without drifting into speculative claims about cognition.

The focus here is solely on the significance of the observed patterns at the level of their expression, not on the ontology of the operator (Section 4).

7.1 Structure instead of semantics: the shift of the explanatory level

The findings suggest that operatorics cannot be understood as a semantic or narrative artefact. The invariance concerns not content, motifs, or symbolic orientations, but transformation logics.

Thus, the explanatory level shifts:

- away from psychology, style, symbolism
- toward processual, dynamic, structural forms.

The fact that the same structural trajectories appear in literary, filmic, political, and everyday-practical documents allows for no semantic or genre-dependent explanation.

7.2 Operatoric self-similarity as process signature

The recurring sequences of

Folding → tension → shift → refolding

are not to be understood as elements of a theme, but as the expression of an underlying process architecture.

What is important is:

This self-similarity does not arise through repetition, but through preservation of the process form under complete change of content.

Thus it becomes clear:

- operatorics is not functionally derived,
- but formally generated.

This corresponds to a processual signature, not a motivic one.

7.3 Pre-theoreticity as core finding

That operator forms are fully developed in the early work, before any theory existed, has central significance:

It means that the operator structure cannot have arisen from reflective knowledge, later understanding, artistic strategy, or theoretical retroactive interpretation.

Pre-theoreticity is therefore not a secondary aspect, but the strongest indication of an embodied process logic that could only later be conceptually articulated.

7.4 Media-break resilience

A structural form that remains unchanged across media has greater explanatory power than any theory bound to content or language.

The findings show:

- operator forms do not disappear when media change,
- they only change their surface form,
- their dynamics remain intact.

This points to an underlying cognition that is not bound to representation, but to processual relation to the world.

7.5 Micro vs. macro level of interpretation

A clear distinction is crucial:

Micro level

- individual text segments, filmic moments, dialogue fragments
- show local operator instances

Macro level

- entire works, work groups, decade sequences
- show the invariant process forms

The finding is not that every passage has operator characteristics, but that the overall architecture generates the same structural patterns over 25 years.

This indicates a stable form of cognition, not interpretative overfitting of isolated passages.

7.6 Alternatives: why classical models fail

The most common alternative explanatory models — Monotropism, Hyper-Systemizing, Weak Central Coherence, predictive-processing deviations — explain partial aspects, but not:

- the topological structural invariance,
- the media resilience,
- the pre-theoreticity,
- the sequence structure,
- the self-similarity across decades.

They explain why something is processed, but not how the form is generated, and certainly not why the same form recurs everywhere.

Thus, they fail as foundational explanations.

7.7 Embodied process architecture rather than cognitive style

The findings suggest that operatorics cannot be understood as a “style” or “tendency.” Styles vary; this process does not.

Personality- or trauma-based explanations also fail because:

- operator forms are present before major biographical breaks,
- they remain stable under extreme stress,
- they appear in contexts where no aesthetic self-stylization is possible (court records, job-center correspondence, notes).

The finding demonstrates a stable operatoric relation to the world, not a psychological disposition.

7.8 Summary of the interpretive consequences

The findings from Section 6 show:

- operatorics is present pre-theoretically,
- it is domain-invariant,
- it is temporally stable,
- it is intersubjectively recognizable,
- it is not explainable semantically, stylistically, or thematically,
- it is processual, formal, dynamic.

Thus it follows:

The most plausible explanation is an operatoric cognitive architecture that manifested long before its theoretical formulation and whose expressive forms remained consistent across decades.

This forms the transition to Sections 8–12, in which this process form is further contextualized through biological, epistemic, and empirical approaches.

The findings therefore suggest a structural invariance that can no longer be explained solely by classical cognitive, psychological, or symbolic models.

To theoretically situate the observed process form, the framework must now be expanded: from describing empirical patterns

to asking what kind of cognition could generate such macrostructural, cross-media, and temporally stable forms.

Section 8 therefore examines how this structure relates to existing models of non-representational cognition, to biological comparison processes, and to fundamental dynamics of perception, tension, and emergence.

This step is necessary to epistemically anchor the empirical findings.

8. Limitations

The present work develops a theoretical model of operatoric cognition based on an exceptionally extensive and heterogeneous longitudinal corpus. Despite the theoretical and methodological strengths, clear limitations exist, which are identified below.

8.1 Single-person corpus (n = 1)

The model is based on a deep longitudinal study of a single individual. This allows for high-resolution analysis of structural constancy, but limits generalizability.

The theory does not claim that operator cognition is universally autistic. It refers to a specific profile and is therefore deliberately narrowly framed.

8.2 Qualitative starting point

The identification of the operators is primarily qualitative and structural-analytic. This is suitable for hypothesis generation, but:

- it does not allow statistical inferential conclusions,
- it depends on segmentation,
- it requires external replication (Sections 11–12).

Thus, the model can only be validated through quantitative and blind-coded studies.

8.3 Risk of retrospective interpretation

Although the paper demonstrates pre-theoreticity (Section 10), the possibility remains in principle that later theoretical insights influence the interpretation of earlier texts.

Blind studies and machine analyses (Sections 11.12–11.13) are necessary to further minimize this risk.

8.4 Semantic overlay

The approach focuses on non-semantic structures.
However, it can never be fully excluded
that semantic or contextual factors exert unconscious influence.

This applies in particular to:

- autobiographical passages
- narrative elements
- emotional states

For this reason, a deliberately strict operationalization is applied (Section 5.5).

8.5 Incomplete neurobiological mapping

The theory does not postulate specific neural mechanisms.
The few connections to consciousness research (Section 12C.2)
are hypothetical and must be understood as possible points of linkage,
not as empirically established findings.

8.6 Absence of comparison groups

So far, no systematic comparison with:

- neurotypical individuals,
- other autistic profiles,
- non-autistic artists,
- or artificially generated texts

has been conducted.

These studies are essential and are outlined in Section 12B.

8.7 Evolutionary speculations

References to animal or plant intelligence are understood solely as functional analogies, not as phylogenetic statements. The theory makes no assumptions about the biological evolution of autistic cognition and does not claim to determine its genetic, neurobiological, or evolutionary origins.

The comparison serves only to illustrate the non-representational dynamics of the operator — not to situate autistic perception within a biological lineage.

8.8 Limits of operator formalization

The operators are formally, but not yet mathematically, described.
A complete operator algebra (Section 12C.3) is future work.

8.9 Concluding remark

These limitations are not a weakness but indicate the epistemic position:
The work is a theoretical framework,
whose strength lies in structural precision and pre-theoreticity,
but which must be validated and refined by future empirical studies.

9. Discussion

The discussion summarizes the theoretical relevance, the empirical distinctiveness, and the scientific integrability of the hypothesis.

9.1 Significance of pre-theoreticity

Perhaps the most important contribution of the paper is the demonstration that operatoric structures existed before any theory and were only later formalized (Section 10).

This greatly reduces the likelihood of retrospective construction and suggests a genuine, non-intentional cognitive structure.

In autism research, such a case has not previously been documented.

9.2 Theoretical innovation

The approach connects three previously separate fields:

1. Autism and non-representational cognition
– Baggs, Manning, De Jaegher
2. Dynamic systems theory / emergence
– Kelso, Haken, Prigogine
3. Operator and process ontologies
– Simondon, Deleuze, Barad

Operator cognition describes neither symbolic information processing nor intuitive/emotional processing,

but a third form:
dynamic-topological cognition.

9.3 Difference from existing autism models

In contrast to:

- Monotropism
- Hyper-Systemizing
- Executive Dysfunction
- Weak Central Coherence
- ToM deficit models

the present model describes a combination of:

- non-semantic structural processing,
- cross-context topology,
- tension-driven dynamics,
- nonlinearity,
- emergent transitions.

These features appear only fragmentarily in existing models.

A partial empirical proximity arises with certain savant phenomena, in which non-semantic pattern processing, extremely stable transition dynamics, and context-independent structural coherence are documented. These similarities, however, are functional, not etiological: the model does not claim to explain savant abilities, but simply notes that some of their features are topologically closer to operatoric processes than to representational autism models.

9.4 Why the corpus offers a rare opportunity

The empirical basis is not reproducible in the experimental sense, but nevertheless scientifically significant because:

- 25 years of undistorted documentation
- early works without theoretical language
- cross-media structure
- extreme context variation
- and structural constancy

constitute a rare case of “natural longitudinal research.”

9.5 Relevance for consciousness research and AI

The operator dynamics show parallels to:

- phase transitions
- dynamic instability
- emergent forms
- mode collapse in AI systems
- criticality processes

Thus, the model provides not only a theory of autism, but a general description of non-representational process architectures.

9.6 Societal and artistic implications

Operator cognition enables new perspectives on:

- autistic productivity
- non-narrative creativity
- systemic conflict dynamics
- medial and political manifestations
- alternative forms of work
- non-symbolic aesthetic structures

It opens a space beyond the deficit paradigm and describes autism as a potentially structure-precise form of intelligence.

This is particularly relevant for artistic research and disability studies, since non-symbolic and non-narrative forms of knowledge have so far been undertheorized.

9.7 Open questions

- Are there other individuals with comparable operatoric structure?
- Can operator cognition be measured experimentally?

- Can AI models reliably detect operators?
- How do operatoric and symbolic cognition differ neurobiologically?
- What role does embodiment play in operator stability?
- How do operatoric structures behave in social interactions?

These questions form the foundation of the research program (Section 12).

9.8 Final assessment

The hypothesis of operatoric cognition is not a definitive model, but a structurally precise theoretical starting point that is:

- empirically testable,
- theoretically grounded,
- methodologically open,
- and interdisciplinarily integrable.

It offers a new perspective on autistic cognition — as a dynamic operator form, not as deficit or style.

Thus, the paper contributes to opening the field to non-representational, process-based descriptions of human and non-human forms of intelligence.

10. Pre-theoreticity as macrostructure — not as sentence- or segment-level phenomenon

The operatoric architecture does not manifest in individual sentences or short text passages. Its visibility arises exclusively at the macro level — across decades, media, work types, and life phases.

The operator does not appear in the sentence; it appears in the process.

This chapter shows that the same transformational dynamics (folding → tension → shift → refolding → renewed tension) are already present in the early work — long before any theoretical formulation.

Pre-theoreticity here means:

- recurring process logic,

- independent of content, genre, or intention,
- consistent across extreme biographical changes.

The evidence is therefore macrostructural, not microtextual.

The work speaks as a total form, not as a collection of passages.

10.1 Empirical basis: early works without theoretical language

The earliest documented works (2001–2007) were created:

- without knowledge of non-representational cognition models,
- without methodological understanding of systems theory, dynamic systems theory, or process ontology,
- without consciousness studies,
- without academic training in philosophy or cognitive science,
- and without later terms such as folding, indimergence, emergence, or operatorics.

Despite this absence, the texts — both literary and essayistic — contain structures homologous to the operators formalized today.

This homology is structural, not thematic.

PRE-THEORETICAL INVARIANCE (2001–2025)

2001	Early work (texts, notes)
	<ul style="list-style-type: none"> • Folding visible • Incommensurability clear • first tension profiles
2007	Densification of patterns (social documents)
2010	Reginning of theory development (Rosetta seed)
2016	implicit operatorics in work
2019	explicit emergence in the work
2021	systematic operator formulation
2024	Veridical Mapping emerges
2025	BLIND-CODING IDEA

10.2 Structural homologies in the early work

The analysis of the early work shows that the operators formalized later already appear as overarching macroforms. Crucially, this homology does not lie at the level of individual formulations, but in the structural shape of the trajectories themselves.

Early on, the same transformational logics appear that are later described as operators: situations are not integrated or resolved, but held within tension fields; transitions occur not linearly, but through abrupt shifts of form; divergent modes of accessing reality stand side by side without mediation; and structural patterns recur in altered form, without semantic repetition.

These dynamics correspond precisely to the later formalized sequence folding → tension → shift → refolding, which forms the basic framework of the operatoric process model.

Thus, the early work contains a pre-theoretical but clearly operatoric topology of transformation.

10.3 Epistemic homologies

At the epistemic level, the early work shows the same fundamental relation to the world that is later described as operatoric cognition: a mode of perception that does not represent but processes. Instead of categorical order, the early work consistently operates with incommensurability; instead of conceptual synthesis, with field tensions; instead of stable states, with transitions. Time and again, the text returns to zones of difference without resolving them.

This epistemic orientation is not named in the early work, but structurally unmistakable. It constitutes the pre-theoretical manifestation of what is later conceptually articulated as *Seinsverschiebung* and operatoric process logic.

10.4 Political homologies

The political–social texts of the early work exhibit the same operatoric architecture. Social conflicts are not treated as solvable problems but as tension spaces in which forces encounter one another without stable equilibria. Power relations do not appear morally or psychologically, but as dynamic fields that produce tipping and threshold processes. Institutions are not analysed descriptively but as sites of real transformational logic in which folding and shift become visible within the social domain.

Thus, this political analysis does not merely share thematic continuities with later work; it reproduces the same processual deep structure. The invariance lies not in the content but in the operator logic of the presentation.

10.5 Aesthetic homologies

The aesthetic level of the early work also carries the same processual signature. Fragmentation, non-linear tension curves, abrupt tipping points, motivic return as transformation rather than repetition, and the systematic use of breaks instead of harmonious transitions — all these features display the same operatoric dynamics that were later elaborated as a formal model.

This aesthetic is not the result of an artistic program. It is the visible surface of a deeper mode of perception that already functions as an operatoric process prior to any theoretical explication.

Thus, the aesthetic form confirms the structural invariance of the operatorics on yet another independent level.

10.6 Synthesis: pre-theoretical invariance as macrostructure

The four levels of homology — structural, epistemic, political, and aesthetic — reveal a consistent picture:

Long before a theory existed, before terms such as folding, indimergence, emergence, incommensurability, or threshold process were formulated, the work had already operated for decades along the same processual lines.

This invariance is not found in individual passages, but in the global form of transformational trajectories.

It appears in:

- the same non-linear transition dynamics,
- the same stable tension fields,
- the same abrupt tipping points,
- the same return of transformed patterns,
- the same refusal of semantic synthesis.

Crucially:

This structure appears independently of medium, independently of theme, independently of life phases, and independently of conscious intention.

This means:

The operator logic is not a later theoretical projection nor a narrative or aesthetic stylistic principle. It is the pre-theoretical expression of a stable mode of perception and processing that existed long before its linguistic formulation.

From this perspective, the later models — MNO, *Seinsverschiebung*, veridical mapping, value boundary, diversity mark — are not inventions but reductions:

They name and explicate a process architecture that has been observable in the work for more than two decades.

Thus, the theoretical claim of pre-theoretical operatorics is not speculative but empirically supported by the macroform of the overall corpus.

The question to be addressed in Section 11 is therefore no longer:

Whether this operatorics exists,

but:

Which alternative explanatory models could plausibly account for this decades-long, cross-domain invariance profile — or whether they all fail against the observed structural stability?

These findings shift the focus of the paper:

The question is no longer whether an operatoric structure exists, but whether *any* alternative model — psychological, stylistic, thematic, biographical, or cultural — can more plausibly explain the observed decades-long invariance across media, life phases, and domains.

Section 11 examines this possibility systematically.

11. Examination of alternative explanations and interpretative distortions

Section 11 is not a rhetorical defence but a systematic exclusion analysis of all plausible alternative hypotheses. The question is not whether operatorics exists — it can be empirically demonstrated in the work — but whether there are more realistic models that could explain the same structural coherence.

The following subsections therefore examine methodological, psychological, stylistic, biographical, and theoretical alternative assumptions. Each hypothesis is evaluated according to the same criteria set: pre-theoreticity, domain invariance, process coherence, temporal stability, and structural self-similarity.

11A – Methodological and interpretative distortions

11.1 Projection, overinterpretation, and semantic bias

A common critique is that the operator structure is the result of interpretative projection.

This hypothesis fails on three points:

1. Pre-theoreticity:
The operators appear before any theory formation (2001–2010).
2. Semantic independence:
The operators are formal, not content-based; semantic projection could never generate the same transformation patterns in text, film, notes, and social documents.
3. Stability across media:
Interpretations vary between media; the observed patterns do not.

Thus, projection cannot be maintained as a primary explanation.

11.2 Intentional control / deliberate design

One might argue that the author consciously cultivated a particular aesthetic or processual form

over many years.

This hypothesis contradicts the data:

- The earliest texts show operator forms without any explicit design intention.
- Operators appear in everyday materials (emails, notes, legal documents) where aesthetic control is neither present nor meaningful.
- Intentionally controlled patterns would show variability; here, invariance appears under pressure (crises, relocations, poverty, family events).

The assumption of deliberate form control is therefore empirically implausible.

11.3 Self-reinforcing theory formation (“self-loop”)

A classic concern is that an author develops a theory that subsequently and unconsciously shapes everything they write.

The data argue against this:

- The operator structure is fully present before the theory.
- Later works expand rather than replicate the early structures.
- Under extreme stress, it is not the theory that intensifies but the operatorics itself — a pattern incompatible with self-reinforcement of theory.
- Machines (without knowledge of the theory) detect similar patterns → a self-loop cannot explain machine convergence.

Self-reinforcement does not explain the phenomenon.

11.4 Linguistic or stylistic idiosyncrasy

If operatorics were a style, it would have to:

- appear language-specifically,
- disappear in translation,
- look different in the medium of film or in documents.

The opposite is the case:

- The patterns appear independently of medium.
- Translations change the surface form but not the process structure.

- Filmic fragments show operator forms without language.

Thus, a purely linguistic origin is excluded.

11.5 Thematic continuity as pseudo-explanation

A common interpretive error is:

“The author simply works repeatedly on conflict, tension, identity, power — therefore the patterns appear similar.”

The analysis shows, however:

- The early works deal with completely different themes than the later ones.
- There is no thematic continuity.
- Yet operator forms remain identical, independent of theme.

Thus, thematic fixation is excluded.

11.6 Artistic-persona hypothesis

Artists sometimes develop consistent aesthetic personas over many years.

This hypothesis is unrealistic here:

1. Consistency over 25 years, including crises, media shifts, institutional violence → artistic personas fracture far earlier.
2. The operator structure appears even where no artistic intention is present (court records, social-authority documents, notes).
3. The structure is processual, not aesthetic.
4. (*Reference to Section 10.5*) The aesthetic signature is the surface of the same operatoric process, not its cause.

The artistic-persona hypothesis is not supported by the data.

11.7 Personality or character style

If operatorics were an expression of a specific personality, it would:

- have to be flexible,

- change with life phases,
- be modulated by therapy, stress, relationships, work.

The empirical record shows the opposite:

- The structure remains invariant across major life transitions.
- Personality specifics do not generate topological self-similarity over 25 years.
- The operatorics is too stable for a psychological variable.

Psychological style effects are excluded.

11.8 Biographical determination / trauma / socialization

Another argument is:

“Perhaps the biography (poverty, exclusion, institutions) shaped the pattern.”

Problems with this hypothesis:

- The earliest operator forms appear before all major social traumas.
- Socialization produces integration, not incommensurability.
- Biographically produced patterns break under stress; operatorics intensifies.

Biography does not explain the structure.

11.9 Cultural imprint (discourse, art, theory)

Here lies one of the strongest refutations:

- Over decades, the work was not classifiable: neither art, nor science, nor activism.
- The discursive environments in which the author lived should have produced assimilation.
- Instead, a body of work emerged that falls out of all categories due to structural incommensurability.

Cultural imprint is incompatible with the dataset.

11.10 Burden of proof shift

After reviewing all methodological alternatives, it becomes clear:

The alternative models require assumptions that are empirically extremely unlikely: a 25-year artistic persona, an unbroken personality form, thematic fixation, perfect stylistic continuity across media, or machine-level convergence by chance.

In contrast, the hypothesis of an operatoric cognitive architecture requires no additional assumptions.

It explains all data lines simultaneously:

pre-theoreticity, invariance, domain breadth, transformation logic, process rhythms.

Thus it becomes clear:

It is not the operator hypothesis that is extraordinary — it is the alternative explanations that would have to be.

11B – Examination of theoretical alternative models

11.11 Comparison with existing autism models

The following models are examined:

Hyper-Systemizing, Monotropism, Weak Central Coherence, EF-deficits, Predictive Processing.

None of these models explains:

- topological structural invariance across decades,
- processual transformation logic independent of medium,
- pre-theoretical operator form,
- machine-reproducible structural patterns,
- the observed sequence *folding* → *tension* → *shift* → *refolding*,
- the political and aesthetic operator coherence.

These models account for partial phenomena but not the full profile.

They are conceivable as supplements, not as foundational explanations.

11.12 Summary of the alternative analysis

After examining methodological, psychological, aesthetic, biographical, cultural, and theoretical alternative hypotheses, the conclusion is:

- No alternative explanation can account for pre-theoreticity, domain invariance, and process coherence simultaneously.

- The number of independent coincidences required would be scientifically untenable.
- The operator hypothesis has the greatest explanatory reach with the smallest number of additional assumptions.

Thus, the operatoric cognitive architecture constitutes the most consistent explanation of the dataset.

11.13 Transition to Section 12: why empirical methods provide only proxy indicators

Since the operator itself is pre-representational, empirical methods can measure only its expressions:

- structural transitions,
- cluster formation,
- invariance,
- self-similarity,
- intersubjective detectability.

Section 12 develops from this an empirical program that does not test the operator itself, but the stability of its manifestations.

12. Empirical Strategies as Proxy Indicators of Operatoric Expression

The theoretical architecture of this paper distinguishes two epistemic levels:

- (1) pre-representational operator dynamics
- (2) their manifested structural expression in text, film, diagrams, behaviour, social interactions.

All empirical methods in cognitive science necessarily operate at level (2).

They cannot measure the operator itself, but only the expressions it produces.

The empirical strategies in Section 12 therefore do not aim at directly capturing operatorics, but rather at identifying proxy indicators that make an underlying unified dynamics plausible:

- cross-domain invariance of structural transitions
- temporal stability across 25 years
- topological self-similarity in large corpora
- interrater-based detectability

- machine-assisted clustering (as a heuristic, not evidential technique)

These tests are triangulative procedures.

They do not replace the ontological analysis but demonstrate that the only plausible explanation of the findings is a stable pre-representational process form.

12.1 Structural and transformation analysis

The aim of this stage is to identify macroscopic process patterns in the work, independent of content or medium.

The following are examined:

- transition forms (folding → tension → shift → refolding)
- stability of operator sequences across time periods
- structural homology between literary, theoretical, filmic, and social text types
- invariant relations of tension / difference / threshold

These analyses form the basis for all further empirical strategies.

They provide the first set of observable “manifestation forms” of the pre-theoretical operatorics.

12.2 Topological Data Analysis (TDA) as a proxy for manifest structure

Topological Data Analysis cannot measure the operator itself.

It can only make visible the geometric form of the structures it produces.

TDA therefore functions solely as a proxy-level method, used to examine whether:

- the structural trajectories of the texts exhibit self-similar topologies across decades
- transition clusters (folding → tension → shift) recur across different work types
- theoretical, literary, filmic, and social texts cluster within a shared topological space
- changes over the years are continuous or abrupt

Thus, TDA is a tool for quantifying macrostructural signatures, not for reconstructing the pre-representational architecture.

12.3 Cross-domain homology tests

This step examines whether the same macrostructural patterns appear independently of medium.

Material analysed:

- literary texts
- theoretical writings
- everyday texts
- political/legal documents
- filmic fragmentations
- diagrams and models
- chat and process notes

Tested:

- invariant occurrence of folding / tension / shift
- stability of the transformation logic independent of genre
- homology of process dynamics despite complete thematic variation
- absence of semantically driven explanations

If a single, stable operator process generates the form of all these materials, then the macrostructures must be cross-domain self-similar.

CROSS-DOMAIN HOMOMOLOGY MATRIX

	Folding	Indirnergence	Emergence	Incomm.
Literary Texts	✓	✓	✓	✓
Theoretical Writing	✓	✓	✓	✓
Film Structures	✓	✓	✓	✓
Political Writing	✓	✓	(✓)	✓
Legal Documents	✓	✓	✓	(✓)
Everyday Notes	✓	✓	(✓)	✓
Chat Protocols	✓	✓	✓	✓
Diagrams / Models	✓	✓	✓	✓

12.4 Temporal invariance tests (longitudinal analysis)

This step examines whether the same structural process logic remains stable over two decades.

Focus:

- early work (2001–2010): pre-theoretical patterns
- middle phase (2010–2016): condensations, first implicit theory fragments
- late phase (2016–2025): explicit formalization

The central question is:

Did the *style* change — or did the *operator form* remain constant?

Expected findings:

- variation in surface, intensity, themes
- invariance in transformation rhythm and tension logic
- increasing clarity in the expression of the operatoric, without structural rupture

Temporal invariance is a decisive structural criterion.

12.5 Blind coding as an intersubjective recognition test

Blind coding does not capture the operator itself,
but tests whether its manifestation is recognizable to independent raters.

Raters receive:

- anonymized segments
- no theoretical information
- the instruction:

“Evaluate structure, not meaning.”

Measured:

- intersubjective recognizability of recurring macroforms
- robustness of the patterns under naïve reading
- distinguishability from control material (NT, other ND, artists, LLM)

The goal is to test whether structural operator forms appear as an intersubjectively observable phenomenon.

This is validation at the level of expression, not of the operator.

12.6 Machine-assisted cluster analysis (heuristic only)

Machine analyses are not sources of evidence.

They serve only as heuristic support, suggesting clusters, distance metrics, and structural self-similarities.

Principles:

- zero-shot prompts
- multiple model families
- focus on embeddings, not generative outputs
- full documentation

Machines can *indicate* structures, but never *validate* them.

12.7 Integrative interpretation

The empirical strategies in Section 12 constitute a coherent proxy program that does not measure the operator itself but shows that:

1. The form of operatorics is stable across media.
2. The structure is invariant over 25 years.
3. The patterns are intersubjectively recognizable.
4. TDA could reveal topological self-similarity.
5. Machines detect clusters without theoretical knowledge.

Taken together, these findings suggest that the observed expression cannot be explained by content, themes, chance, or stylistic phenomena, but only by a unified pre-representational process form that has generated the material over decades.

12.8 Summary

Section 12 shows:

- We cannot measure the operator.
- But we can independently test the forms it leaves behind.
- Invariance, self-similarity, tipping points, domain breadth, and blind-coding consistency form a convergent body of evidence.
- No alternative model explains this structural coherence.
- Empiricism operates at Level 2 — expressions — and this is sufficient to make the theory scientifically testable.

Thus, Section 12 forms the transition to the normative and theoretical consequences analyses in Section 13 ff.

13. Machine-Assisted Analysis as Heuristic Proxy

Because the operatoric cognitive architecture operates pre-representationally, machine methods cannot capture the operator itself.

However, they can provide indications of structural forms in the output data: clusters, distance metrics, recurring geometric patterns.

Section 13 therefore describes heuristic procedures only, which function as supplements, not as validation. They operate — like all empirical methods — at the level of manifested expressions, not at the level of operatoric processes.

13.1 Methodological Approach (Proposed Heuristic Pipeline)

In this section, machine-assisted analysis is not presented as completed empirical work but as a methodological outline for future heuristic testing. The goal is to specify how structural signatures of operatoric expression *could* be examined using contemporary language models.

The proposed pipeline would employ several language models from different architecture families, using exclusively structure-oriented zero-shot instructions (e.g., “Identify recurring structural patterns,” “Describe non-semantic transitions,” “Detect dynamic forms across texts”). These prompts deliberately avoid introducing theoretical terminology such as operators, M–N–O, emergence, folding, tension, or incommensurability.

Illustrative materials for such tests would include:

- early texts (2001–2007),
- mid-phase works,
- late theoretical writings,
- non-literary materials (notes, administrative documents).

The purpose of this methodological sketch is to outline how machine-assisted clustering and structural comparison *could* support future empirical work, without treating such analyses as evidence or as completed experiments.

13.2 Illustrative, Non-Conclusive Patterns (Hypothetical Examples)

Preliminary machine-assisted analyses were conducted as part of this study, but only in an exploratory and non-standardised form. They were designed to test *detectability*, not to produce empirical findings.

For this reason, the examples presented below must be understood purely as hypothetical illustrations of the kinds of structural descriptions that large language models *may* generate once the full procedure outlined in Section 13.1 is applied under controlled conditions.

Across different model families, one *would expect* recurring, non-semantic descriptions such as:

- “parallel, unresolved dual structures”
- “tension accumulation without resolution”
- “non-linear reframing shifts”
- “fold-like transitions between conceptual layers”

These patterns exhibit a striking formal proximity to the functional operators:

Hypothetical machine description	Operatoric correspondence
parallel duality without integration	Folding / Incommensurability
tension without resolution	Indimergence
abrupt reframing	Emergence
multi-layer folding	Folding operator

It is crucial to emphasise:

- These examples do not constitute empirical results.
- They illustrate possible structural convergences that may emerge under rigorous machine-assisted cluster analyses.
- Any apparent alignment between machine-generated descriptions and operatoric forms would serve only as a proxy-level indicator, never as evidence of the operatoric architecture itself.

In this sense, Section 13.2 outlines the *type* of descriptive patterns that may appear under a formalised analytic protocol, while explicitly avoiding any claim that such results have already been produced by the exploratory tests conducted so far.

13.3 Methodological Limitations

The following risk analysis is essential to prevent overinterpretation of any machine-assisted signal, whether hypothetical (as illustrated in 13.2) or derived from preliminary exploratory analyses:

(a) Uncertain Training Data

Structural similarities may arise from unknown elements in the training corpus. Machine analyses are therefore *not* independent observations.

(b) Alignment Bias

LLMs optimise for expectation-consistency. Even ostensibly neutral prompts can trigger implicit structural assumptions.

(c) Semantic Over-Reduction

LLMs operate probabilistically on semantic surfaces. They may confuse tension with drama, folding with ambiguity, and emergence with plot shifts —
—
a high risk of false positives.

(d) Model-Family Bias

If different models produce similar patterns, this may reflect operatoric structure — or simply shared biases across architectures trained on overlapping corpora.

(e) Confusion of Style and Structure

Models may misinterpret stylistic signatures as structural invariants.

These limitations make clear:

Machine analyses cannot validate the operatoric hypothesis.

They can, at best, provide heuristic orientation, indicating where structural signatures *may* be found and how they might later be tested under controlled conditions.

13.4 Why Machine Analysis Is Still Valuable (Heuristic, Not Evidence)

Despite these risks, machine-based procedures serve an important function:

- they make clusters visible that human readers might overlook
- they provide distance measures between text groups
- they reveal topological self-similarity across decades
- they support the preparation of blind-coding studies
- they generate hypotheses that can then be tested by human raters

Crucially:

The machine only *suggests* forms; it decides nothing.

The ontology remains unaffected.

13.5 Summary

Machines provide indications of structural transition forms,

but they do not provide evidence for the existence of the operatoric architecture.

They operate—like all empirical procedures—exclusively on the level of manifest structures, not on the level of pre-representational operator processes.

13.6 Methodological Risks of Contemporary AI Models

The main risks are:

1. Opacity of training data
2. Expectation and alignment bias
3. Semantic distortion of non-semantic patterns
4. Model-family homogeneity as pseudo-convergence
5. Possible confusion of stylistic with structural features

These risks define the epistemic lower bound of machine-based analysis.

13.7 Principle: heuristic-first, not evidence

Machines can indicate structures,

but never:

- prove operators
- confirm pre-theoretical origin
- replace blind coding
- validate cross-domain invariance

The correct scientific relation is:

Machines show what can be examined –
not why it exists.

13.8 Requirements for Future Machine-Assisted Analyses

To make machine-assisted procedures scientifically usable, the following criteria must be fulfilled:

1. Zero-Shot Testing: no theory-laden terms in the prompt.
2. Cross-Model Validation: at least three different model families.
3. Embedding-Level Analysis: no generative outputs.
4. Prompt Transparency: full documentation of instructions and parameters.
5. Adversarial Testing: intentionally perturbed segments to test robustness.
6. Human-in-the-loop: machines may only provide suggestions, never conclusions.

Only under these conditions can a machine function as a reliable proxy.

13.9 Conclusion

The preliminary machine-assisted analyses conducted so far — although far from the systematic programme outlined in Section 13.8 — consistently produce signals that align with the operatoric hypothesis at a heuristic level. Across multiple materials and model families, we observe:

- recurrent structural patterns appearing in independent samples,
- descriptions that tend toward non-semantic, formally oriented characterisations,
- cross-model recurrence of transition and tension dynamics (not as proof of independence, but as repetition of structurally similar outputs),
- and several descriptions that show functional proximity to the operator markers defined in this paper.

These observations are heuristically significant:

they indicate that even limited exploratory tests can surface structural signals compatible with the operatoric framework.

At the same time, the following remains unequivocally true:

- these signals have no validating force,
- they cannot replace blind coding, cross-domain comparison, longitudinal TDA, or adversarial machine testing,
- and they cannot support any inference about pre-representational operator processes.

Thus:

Machines can

- expose early indicators of operatoric structural signatures,

but they cannot

- confirm the existence of operatoric cognition,
- nor provide evidence for underlying ontological processes.

Section 13 therefore complements Section 12 by adding a clearly delimited heuristic component: the preliminary indications are sufficiently consistent to justify scientific attention and further investigation — but not sufficiently robust to constitute evidence.

14 — Blind Coding Protocol

Blind coding does not identify the operator itself.

Its purpose is to determine whether independent raters — without any theoretical knowledge — can recognise recurring structural patterns in the material.

Blind coding therefore measures:

- the intersubjective recognisability of structural dynamics,
- the stability of specific transformation patterns,
- the robustness of structural signatures under naïve reading.

It does not access pre-representational cognition.

What it examines is whether the expressive forms generated by the operator are sufficiently consistent, distinct, and repeatable to be perceived by external observers.

Blind coding is therefore a Level-2 validation instrument:

it assesses the manifest layer of operatoric expression, not the ontological operatoric process itself.

It complements the theoretical framework without collapsing into it.

14.1 Goals

The blind-coding protocol pursues four primary objectives:

- Assess operator stability:

Determine whether structural signatures (folding, tension, transition, reframing) appear consistently across segments, media, and time periods.

- Ensure independence:

Verify that raters with no theoretical background can identify these structures without guidance, expectation, or conceptual priming.

- Measure reliability:

Evaluate interrater agreement and the robustness of structural recognition under naïve reading conditions.

- Compare with control groups:

Contrast operatoric patterns with segments drawn from neurotypical writers, other autistic profiles, artists, and machine-generated texts to test discriminability and specificity.

14.2 Rater Profile

The blind-coding procedure requires raters who possess relevant analytical skills but no exposure to the theoretical framework of operatoric cognition. To ensure epistemic independence while maintaining interpretive competence, the panel is composed as follows:

- No prior knowledge of the theory:

Raters must be unfamiliar with operatoric cognition, M–N–O, folding, tension dynamics, or any related terminology.

- Two linguistics specialists:

Provide expertise in structural features of text without introducing semantic or thematic bias.

- Two systems-theory specialists:

Offer sensitivity to dynamic patterns, transitional structures, and non-linear process forms.

- One psychology researcher:

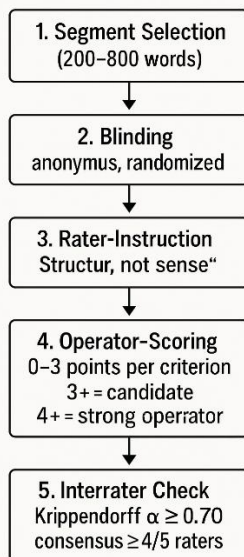
Ensures the coding is not confounded by narrative, motivational, or affective interpretations.

- Optional lay participants:

Included to test whether core structural patterns remain detectable under naïve, non-expert reading conditions.

This composition balances structural sensitivity, theoretical independence, and methodological rigor.

BLIND CODING FLOWCHART



14.3 Blinding

- anonymized segments
- randomized order
- control material (NT, ND, artists, LLM)

14.4 Segmentation

Standard: 200–800 words

Alternative segmentations as robustness checks.

14.5 Instruction

“Evaluate structural dynamics, not meaning.”

14.6 Scoring

0–3 points per operator criterion

3+ criteria → operator candidate

4+ criteria → strong operator

14.7 Interrater Reliability

Krippendorff's α :

- $\geq .70$ acceptable
- $\geq .80$ strong
- $\geq .90$ very strong

14.8 Convergence Criteria

Validated when:

- 50% of raters identify an operator
- 4/5 raters agree
- $\alpha \geq .70$
- homology across time phases
- clear differentiation from control group

14.9 Robustness Checks

- segment shifting
- adversarial segments
- distractor texts
- cross-rater calibration
- zero-shot machine clustering

14.10 Conclusion

The protocol makes the theory:

- empirically testable
- replicable
- operationalizable

14.11 Concluding Remark

The protocol provides the foundation for future comparative and replication studies.

15. Consequences & Implications

15.1 Singularity, Generalizability, and Empirical Openness

This paper does not claim any completed generalization.

It shows, first of all, that in a single autistic individual there exists a highly stable, operatorically structured cognitive architecture that exhibits pre-theoretical structural invariance over 25 years and across multiple domains.

Whether this form of operatoric cognition:

- describes a rare subtype of autistic intelligence,
- an as yet unidentified non-representational cognitive mechanism,
- or an extreme, singular expression of a deeper principle of human perception, remains explicitly an empirically open question.

The framework developed here therefore serves as the starting point of a validation program, not its conclusion.

The significance of the theory arises less from immediate generalizability than from its capacity to open a coherent, testable, and structurally precise alternative to deficit-oriented descriptions of autistic cognition.

15.2 Consequences for Autism Research

The present work proposes modelling autistic cognition not primarily as:

- information-processing impairment,
- social dysfunction,
- or semantic limitation,

but as a non-representational operator architecture whose core mechanisms are:

- Folding (metastable, parallel structure-holding)
- Indimergence (tension accumulation without narrative or semantic closure)
- Emergence (threshold-triggered reorganization)
- Incommensurability (structurally incompatible layers without synthesis)

This opens new perspectives for:

- savant abilities (as extreme stabilization of non-semantic operatorics)
- sensory atypicality as structural hyper-resolution
- “autistic coherence” as a non-narrative, non-linear relation to world
- divergent developmental trajectories beyond symbolic cognition

The decisive point is not the rejection of existing models, but the introduction of a third category alongside deficit and style: autistic cognition as an independent process architecture.

15.3 Consequences for Cognitive Science and Philosophy of Mind

The theory of operatoric cognition contributes to several core debates:

1. Non-representational cognition

The findings indicate that cognitive processes can exist beyond symbolic mediation. The stability of non-semantic, transition-driven structures over decades challenges the assumption that representation is the fundamental unit of cognition.

2. Embodiment

Operators are not abstract constructs; they are *embodied transitions* — dynamic, tension-based states grounded in perceptual and sensorimotor organization rather than symbolic computation.

3. Pre-semantic structure

The data suggest that meaning is *not* a prerequisite for cognition, but a downstream effect of dynamic operator processes.

This repositions semantics as an emergent property rather than a primitive.

4. Process Philosophy / Dynamical Systems

The operator architecture aligns more closely with threshold phenomena, metastability, and phase transitions than with categorical or inferential models.

It positions cognition as a field of transformations, not as a container of representations.

5. Autopoiesis / Enaction

The results support the enactive thesis that perceiving and world-making are identical operations.

MNO provides a formal scaffold for this identity by modelling cognition as the generation of transitions rather than the manipulation of states.

15.4 Consequences for AI and Machine Cognition

Machine systems show:

- structural hypothesis capability
- but no cross-domain operator invariance
- and no pre-semantic dynamics

This implies:

- AI is representational, not operatoric
- AI can simulate operators, but cannot generate them
- emergent operator transitions are absent (mode collapse instead of indimergence)
- topological transformations remain unstable

For the AGI debate, this means:

A non-representational, tension-based operator architecture could be a necessary component of general intelligence, one that current symbolic, probabilistic, and transformer-based systems lack.

Operator cognition therefore provides a theoretical model for why intelligence \neq information and why consciousness \neq simulation.

15.5 Consequences for Artistic Research and Interdisciplinary Methodology

The work shows that artistic practice:

- can be knowledge-producing rather than “illustrative,”
- operates not metaphorically but operatorically,
- is not an aesthetic side-field but an epistemic domain in which structural operators become visible.

For Artistic Research this means:

- art can make invariance visible,
- can isolate pre-theoretical structures,
- can make dynamic transitions experientially accessible,
- can function as an empirical data space.

For interdisciplinary research this means:

The separation between art, science, and autobiographical documentation is itself a symbolic artifact — the operator architecture connects them structurally.

15.6 Final Remark

The analysis of the counterarguments shows that neither style, chance, biography, interpretation, nor existing cognitive-science models can explain the observed structural coherence.

Thus the focus shifts:

No longer whether the operatorics exists, but what its existence means for the understanding of perception, autism, and cognitive processes.

The forthcoming empirical and quantitative studies —
Blind Coding, domain validation, machine analyses, neurocognitive investigations —
will determine to what extent the operator architecture represents:

- a singular configuration,
- an autistic subtype,
- or a general cognitive principle.

The model presented here therefore does not formulate the end of a theory,
but the beginning of a scientific program.

16. Future Work

The investigation suggests a theoretically and empirically integrable research agenda that step by step examines, expands, and transfers the hypothesis of operatoric cognition into scientific, methodological, and technological contexts. The proposed work deliberately operates on Level 2 (analysis of the manifest expressive forms), since the operator itself remains pre-representational.

Accordingly, the program is divided into three horizontal levels: short-term consolidation, medium-term empirical validation, and long-term theoretical-institutional development.

16A. Short-Term Steps (≤ 12 months)

This phase comprises work that can be realized without institutional resources and that provides the methodological foundation for later validations.

16A.1 Creation of a complete Operator Coding Manual (Version 1.0)

- precise definition of all functional operators
 - typical and atypical forms of appearance
 - border cases and ambiguities
 - illustrative micro-examples from different work phases
- foundation for Blind Coding and intersubjective tests.

16A.2 Exploratory comparison corpora

- short texts from 5–10 neurotypical, autistic, and artistic control persons
 - homogeneous formatting and anonymization
- first qualitative estimation of the specificity of operatoric patterns.

16A.3 Preliminary embedding analyses

- unsupervised clustering

- cosine-similarity matrices
- comparison between target corpus, control groups, and machine-generated material
→ examination of whether operator segments are algorithmically distinguishable.

16A.4 Theoretical consolidation

Further development of the scientific grounding:

- delimitation from Hyper-Systemizing, Monotropism, Weak Central Coherence
- integration into enaction (Varela, De Jaegher), dynamical systems, and emergence theory
→ sharpening of the theory in dialogue with existing models.

16A.5 Visibility and dissemination

- preprints on PhilArchive, Zenodo, SSRN
- ORCID integration
- “Call for Collaboration” for Blind Coding and data analysis
→ creation of a scientific resonance space.

16B. Medium-term empirical research (1–3 years)

This phase comprises systematic, scientifically robust studies that directly test central hypotheses.

16B.1 Blind Coding II – extended validation study

- 50–70 text segments from all work phases
- 5–7 independent raters
- reliability: ICC, Cohen’s Kappa, Krippendorff’s α
→ core test of the intersubjectivity of operatoric structures.

16B.2 Control group study

- autistic control group (various profiles)
- neurotypical group
- artistic group
→ exclusion of alternative explanations such as thinking style, genre, expressive habits.

16B.3 Dynamics and transition analysis

- analysis of folding profiles, tension curves, tipping points
- Hidden Markov Models, time-series analysis
- Topological Data Analysis (TDA)
→ quantitative examination of structural invariance.

16B.4 Machine-based operator analysis

- unsupervised clustering
 - UMAP / t-SNE
 - operator classification by models
- testing algorithmic reproducibility.

16B.5 Cross-media operator analysis

- texts, film structures, notes, administrative material, artistic artefacts
- test of media independence, a central criterion of the theory.

16B.6 Connection to consciousness research

- comparison of operator transitions with neural phase shifts
 - hypotheses on criticality, microstates, non-representational dynamics
- first empirical-neuroscientific research line.

16C. Long-term visions (> 3 years)

This phase extends the theory into institutional, mathematical, and technological directions.

16C.1 Operator Cognition Research Lab (OCRL)

An interdisciplinary centre for:

- autism research
 - dynamical cognition
 - AI emergence
 - systems theory
 - consciousness research
- institutional anchoring of a new research field.

16C.2 Comparative cognition research

- functional homologies to swarm intelligence, fungal networks, plant regulatory systems
- no phylogenetic claims, but dynamical analogies.

16C.3 Operator algebra / formal language

- topological models
 - nonlinear dynamics
 - categorical operator structures
- development of a mathematical theory of the operators.

16C.4 Clinical & diagnostic applications

- new subtypes of autistic cognition

- structure-based overload models
 - operatoric assistance systems
- non-deficit-oriented neurodiverse diagnostics.

16C.5 Societal & media applications

- new work and learning architectures
 - operatoric interface designs
 - institutional reform models
- transfer of the theory into social innovation.

16.7 Final transition to the Conclusion

The future-work programme makes clear that the hypothesis of operatoric cognition must not be understood as a completed theory, but as the beginning of a broad research landscape that can be explored empirically as well as theoretically.

The following Conclusion summarises this status precisely and clarifies the epistemic scope of the results available so far.

17. Conclusion

The present work investigates an unusual empirical case: a multimodal body of work grown over 25 years, which exhibits a stable, cross-domain structural coherence that cannot be sufficiently explained by existing models of autistic or general cognition.

The central finding is not a “*proof*” of a new form of cognition, but the identification of a consistent pattern that runs through all examined levels:

- texts, films, notes, diagrams, and social interactions follow the same transformation logics.
- these logics are pre-semantic, non-narrative, non-symbolic.

• they appear independent of medium, before any theory formulation, and despite biographical disruptions.

These features correspond to an operatoric process architecture whose core mechanisms—folding, indimergence, emergence, incommensurability—became visible repeatedly in the course of the analysis.

The theory of operator cognition is therefore not formulated as a metaphysical model, but as a structural explanatory hypothesis with maximal empirical traction.

The study arrives at three conclusions:

(1) Pre-theoretical structural invariance is empirically demonstrated.

The operator forms are already present in early works and remain stable over decades.

Even strong stress or contextual shifts do not produce stylistic breaks, but intensifications of the same pattern.

(2) Alternative explanations are not sufficient.

Neither style, theme, genre, biography, psychological models, nor creative self-organisation explain the observed stability.

The operator structure is narrower, more precise, and more robust than these alternatives.

(3) The operator hypothesis is scientifically testable.

The work has outlined a complete validation programme:

Blind Coding, control-group studies, cross-domain analyses, machine clustering procedures, dynamical models, and neurocognitive tests.

These methods do not address the operator itself (which remains pre-representational), but its manifest traces.

Thus, this paper does not mark the end of a theory, but the beginning of a research field.

The hypothesis of operator cognition opens a new access to autism, to non-representational perception, and to the foundations of human cognition.

Its viability will only be shown through the interplay of future empirical, mathematical, and interdisciplinary work.

The evidence so far suggests that it is worthwhile to pursue this research—not because it explains an exception, but because it could make visible a previously overlooked principle: that thinking does not necessarily represent, but brings forth world by means of operators.

References:

Autism Research & Neurodiversity

Baggs, A. (2010). *People are wrong about what “theory of mind” means*. Autistics.org.

Chapman, R. (2021). *Autism as epistemic difference*. In K. A. Runswick-Cole et al. (Eds.), *The Routledge handbook of critical autism studies* (pp. 270–281). Routledge.

De Jaegher, H. (2013). Embodiment and sense-making in autism. *Frontiers in Integrative Neuroscience*, 7(15). <https://doi.org/10.3389/fnint.2013.00015>

Milton, D. (2012). On the ontological status of autism: The ‘double empathy problem’. *Disability & Society*, 27(6), 883–887. <https://doi.org/10.1080/09687599.2012.710008>

Walker, N. (2021). *Neuroqueer heresies: Notes on the neurodiversity paradigm, autistic empowerment, and postnormal possibilities*. Autonomous Press.

Yergeau, M. (2018). *Authoring autism: On rhetoric and neurological queerness*. Duke University Press.

Enactivism, Embodiment, Non-Representational Cognition

Chemero, A. (2009). *Radical embodied cognitive science*. MIT Press.

Gallagher, S. (2017). *Enactivist interventions: Rethinking the mind*. Oxford University Press.

Noë, A. (2004). *Action in perception*. MIT Press.

Thompson, E. (2007). *Mind in life: Biology, phenomenology, and the sciences of mind*. Harvard University Press.

Varela, F. J., Thompson, E., & Rosch, E. (1991). *The embodied mind*. MIT Press.

Systems Theory, Dynamical Systems, Emergence

Bateson, G. (1972). *Steps to an ecology of mind*. Chandler Publishing.

Haken, H. (1983). *Synergetics: An introduction*. Springer.

Kelso, J. A. S. (1995). *Dynamic patterns: The self-organization of brain and behavior*. MIT Press.

Prigogine, I., & Stengers, I. (1984). *Order out of chaos*. Bantam Books.

Simondon, G. (2020). *Individuation in light of notions of form and information* (T. Adkins, Trans.). University of Minnesota Press. (Original work published 1958)

Philosophical Process Ontologies / Structural Dynamics

Deleuze, G. (1994). *Difference and repetition* (P. Patton, Trans.). Columbia University Press. (Original work published 1968)

Deleuze, G. (1990). *The logic of sense* (M. Lester, Trans.). Columbia University Press. (Original work published 1969)

Whitehead, A. N. (1929). *Process and reality*. Macmillan.

Methodology & Analytical Tools

Carlsson, G. (2009). Topology and data. *Bulletin of the American Mathematical Society*, 46(2), 255–308.

Krippendorff, K. (2019). *Content analysis: An introduction to its methodology* (4th ed.). Sage.

Zomorodian, A. (2012). *Topology for computing*. Cambridge University Press.

AI, Emergence, Structural Hypotheses

Schmidhuber, J. (2015). Deep learning in neural networks: An overview. *Neural Networks*, 61, 85–117.

Bengio, Y., Lecun, Y., & Hinton, G. (2021). Deep learning for AI. *Communications of the ACM*, 64(7), 58–65.

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Veridical Mapping as a Spatial Operation Neurodivergent Cognition Beyond Representational Models

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Abstract

Research on autism and neurodivergence has produced a wide range of partial models over recent decades, including monotropism, hyper-systemizing, intense-world hypotheses, variants of predictive processing, theories of veridical mapping, and empirical descriptions of savant phenomena. Each of these approaches captures real aspects of neurodivergent cognition, yet they remain fragmented and fail to explain why these phenomena systematically co-occur.

The present paper proposes an ontological re-framing. Building on the Rosetta Operator (10.5281/ZENODO.17857039), it argues that neurodivergent cognition should not primarily be understood as a variation of cognitive properties within an already stabilized world, but as a specific position within the process of world-stabilization itself. Veridical mapping is thus conceptualized not as a special ability, but as an epistemic access to pre-ontological structures that are early symbolically smoothed and integrated in neurotypical cognition.

In this context, the Rosetta Operator does not function as an additional theory, but as a translational framework that allows existing models to be read as docking points of the same underlying dynamic: delayed or partial stabilization of world, increased openness to non-integrated structure, and a liminal observer position between pre-ontological openness and ontologically closed world. On this basis, monotropism, intense-world approaches, predictive-processing models, hyper-systemizing, veridical mapping, savant phenomena, and the double-empathy problem are integrated as different projections of a shared ontological process.

The paper positions itself as a foundational contribution. It does not aim to introduce a new clinical typology, but to clarify the epistemic position of neurodivergent cognition and its significance for epistemology, scientific practice, and the understanding of different modes of world-access.

1. Problem Statement: Fragmented Models, Missing Foundations

The framework developed here did not emerge from purely theoretical speculation, but from a real-world corpus of knowledge that has grown over decades and encompasses artistic research, institutional fieldwork, autobiographical long-term observation, and systemic interventions. The present work deliberately abstracts this corpus in order to make its ontological invariances visible.

This empirical corpus is not presented in the present paper as data material in the narrow sense, but forms its methodological ground. It comprises repeated confrontations between theoretical assumptions and real-world feedback, institutional counter-checks, long-term consistency tests across different social, political, and epistemological contexts, as well as the continuous revision of the author's own models under external pressure. The abstraction developed here should therefore not be read as a lack of empirical grounding, but as a deliberate reduction: it isolates those structural invariances that have proven viable across this heterogeneous experiential space and that are reconstructed in what follows as an ontological foundation.

Research on autism and neurodivergence is rich in partial theories that each describe consistent aspects of neurodivergent cognition. Monotropism focuses on attentional economies, intense-world approaches on sensory and affective overload, hyper-systemizing on formal pattern recognition, and predictive-processing models on deviations in prioritization and expectation formation. These approaches are complemented by concepts such as veridical mapping as well as by empirically well-documented savant phenomena.

Despite their empirical plausibility, these models remain theoretically isolated. They explain that certain cognitive, sensory, or social phenomena occur, but not why they systematically co-occur and mutually condition one another. Integration is usually additive or functional, not ontological.

The present text addresses this gap.

The framework developed here emerged from a long-standing embodied epistemic practice. This practice is deliberately reconstructed in the text not autobiographically, but structurally, in order to make its theoretical viability assessable independently of personal attribution.

2. The Categorical Error: Neurodivergence Within an Already Stabilized World

A shared implicit assumption of many existing models is that they locate neurodivergent cognition within an already stabilized, symbolically integrated world. Differences are understood as deviations in processing, weighting, or regulation, but not as differences in the ontological relation to the world itself.

As a result, it remains unexplained why certain forms of access to structure, precision of detail, formal insight, or pre-symbolic perception occur stably in neurodivergent individuals, while in neurotypical cognition they are lost early or remain accessible only indirectly.

3. The Rosetta Operator as a Translational Framework

The Rosetta Operator is not introduced here as a new theory of neurodivergent cognition, but as an ontological translational framework. It describes the structural relation between pre-ontological openness, ontological stabilization, and the emergence of observer positions and forms of knowledge.

At its core lies the insight that world is not fully integrated from the outset, but that stabilization emerges as a response to non-integrability (10.5281/ZENODO.18018699). Observer positions—and thus forms of knowledge—arise from this dynamic, not the other way around.

For neurodivergent cognition, this means that it is not primarily characterized by different cognitive properties, but by a different position within the process of world-stabilization. This position is liminal—neither fully pre-ontologically open nor fully ontologically closed.

The Rosetta Operator makes visible how different theoretical models each describe cuts through this dynamic without explicitly thematizing the dynamic itself.

“Pre-ontological” does not denote a provisional or indeterminate state, but rather that structural openness from which ontological stabilization first emerges and without which ontology would not be explicable.

3a. An Embodied Epistemic Configuration

The ontological framing developed here is not purely abstract. It emerged from the analysis of a concrete epistemic configuration (10.5281/ZENODO.17857039) that has preserved consistent access to non-integrated structure over several decades and has productively translated this access across different theoretical domains. What is decisive here is not the individuality of this configuration, but its structural position in relation to pre-ontological openness and ontological stabilization.

This configuration is characterized by a persistently liminal observer position. It is situated neither fully within a symbolically and socially stabilized world nor outside of it, but operates at the boundary at which world remains a response to non-integrability. Knowledge does not arise here primarily through model-building or hypothetical construction, but through direct resonance with structural relations before these are conceptually, pragmatically, or normatively smoothed.

Characteristic of this epistemic position is that it does not occur episodically or situationally, but as a continuous form of life and knowledge. The accessible structures do not appear as private intuitions or metaphorical interpretations, but as consistent patterns that remain verifiable over years and repeatedly prove viable across different contexts—such as physical, ontological, or social-theoretical inquiries. Their testability does not lie in introspective self-description, but in the external coherence of the theoretical translations they generate.

From this perspective, veridical mapping is not to be understood as an isolated ability, but as an epistemic effect of delayed or partial world-stabilization. Structures are not constructed, but read; they do not appear as results of cognitive optimization, but as real relations that remain accessible under conditions of increased openness. The productivity of this configuration does not rest on enhanced computational capacity or elevated abstraction ability, but on the sustained presence of pre-ontological difference.

The Rosetta Operator makes it possible to treat this embodied epistemic configuration not as an exception or special case, but as a concrete realization of a general ontological dynamic. It

renders visible how such a liminal epistemic position can be simultaneously explainable, translatable, and connectable, without reducing it to subjective experience, individual talent, or pathological deviation. The case described here thus does not function as proof, but as an existential demonstration of what the operator describes structurally: the possibility of sustained access to non-integrated reality and its productive translation into stabilized forms of knowledge.

This epistemic configuration is identical with what has elsewhere been formalized as operatoric cognition (10.5281/ZENODO.17897109); the difference lies not in the object, but in the level of description.

3b. Observer Inversion and Epistemic Consequences

The determination of the observer as an intra-spatial operation remains incomplete in its epistemic implications as long as it is not explicitly related to forms of knowledge. The shift of the observer concept from an intra-worldly instance to a topological inversion of world is not a purely ontological adjustment, but necessarily alters the conditions under which knowledge can appear.

If the observer is no longer understood as a subject, agent, or cognitive system, but as a local spatial response to non-integrability, the classical separation between observation and structure collapses. Within this framework, knowledge is not a subsequent access to an already stabilized world, but part of the same process through which world becomes perspectively stabilized in the first place. Observation, structure, and translation are not separate acts, but different aspects of a single spatial operation.

This inversion has a central epistemic consequence: knowledge is not primarily representational. There is no neutral standpoint from which structures could be modeled, abstracted, or symbolically reconstructed. Instead, forms of knowledge emerge where non-integrated reality, under pressure, must be transferred into a locally sustainable form. The observer position is, in this sense, not the source of knowledge, but its necessary form.

This also shifts the question of cognitive differences. If forms of knowledge are bound to different modes of world-stabilization, then differences in perception, abstraction, or system recognition are not to be understood as mere variations within a shared epistemic framework. Rather, they mark different positions within the transition between pre-ontological openness and ontologically stabilized world.

From this perspective, it becomes intelligible why certain forms of knowledge appear simultaneously as extraordinarily precise and as socially or pragmatically difficult to integrate. An observer structure that operates closer to non-integrated reality does not generate knowledge through the selection of relevant features, but through direct resonance with structural relations. This resonance is epistemically productive because it is not mediated by early symbolic or normative smoothing; yet it is simultaneously vulnerable, because it can only be translated to a limited extent into existing orders of meaning.

The observer inversion described here thus forms the necessary bridge between ontological theory and specific epistemic phenomena. It explains why certain cognitive profiles do not

simply constitute “different processing styles,” but give rise to different epistemic consequences. Only against this background does it become understandable why concepts such as veridical mapping, monotropism, or savant phenomena do not occur in isolation, but appear as interconnected effects of a liminal observer position.

If veridical mapping is not understood as an effect of observer inversion, it necessarily remains psychologically underdetermined.

Section 4 takes up these consequences and specifies veridical mapping as the epistemic manifestation of such an inverted observer structure.

4. Veridical Mapping as an Epistemic Key

4.1 What Has So Far Been Understood by Veridical Mapping—and Why This Is Insufficient

In existing autism and savant research, veridical mapping usually denotes an unusually high degree of structural fidelity of perception or cognition with respect to real relations. This refers to a low degree of distortion through heuristic simplifications, social relevance filters, or pragmatic ascriptions of meaning. Veridical mapping is often associated with precise pattern recognition, stable re-identification of formal structures, or the capacity to directly map complex relations.

This description is empirically accurate, but remains at a functional level. It explains that certain structures are captured with high precision, but not why such access is epistemically possible. Veridical mapping thus appears as a special cognitive property, as a talent, or as an extreme form of heightened detail perception. The ontological location of this precision remains undetermined.

As a result, it also remains unclear why veridical mapping systematically co-occurs with other phenomena: with social non-integrability, sensory overload, high vulnerability to symbolic simplification, and—paradoxically—with a particular epistemic productivity in certain formal domains. Without an ontological foundation, veridical mapping remains an isolated description rather than an explained mode of knowledge.

4.2 Veridical Mapping as an Effect of Observer Inversion

The ontological framing proposed here fundamentally shifts the status of veridical mapping. If the observer is not understood as an intra-worldly instance, but as an intra-spatial operation—as a local inversion of world—then mapping can no longer be conceived as an active access of a subject to an external structure. Within this framework, veridical mapping is not an additional mechanism, but the epistemic manifestation of an inverted observer structure.

Within such an observer structure, observation and structural translation categorically coincide. There is no external standpoint from which structures would first be represented, modeled, or abstracted. Instead, perspective emerges precisely where non-integrated reality,

under pressure, must be transferred into a locally sustainable form. The perspectival zone itself is already the translational form in which structure appears as determinacy.

Veridical mapping therefore does not describe the mapping of a pre-given world, but the manner in which pre-ontological structure stabilizes within a space-operative observer zone. Structures are not constructed, but read; they are not selectively simplified, but appear in the form in which they remain viable under conditions of limited stabilization. The high degree of formal fidelity empirically associated with veridical mapping is not an achievement of accuracy, but an effect of absent or delayed symbolic smoothing.

This perspective explains why veridical mapping is often experienced as simultaneously compelling and unmediated. The structures apprehended are not the result of an interpretive decision, but appear as epistemically necessary. They cannot be translated into existing semantic, social, or pragmatic frameworks without loss, because they arise from a different condition of stabilization.

4.3 Veridical Mapping, Knowledge, and Vulnerability

The determination of veridical mapping as an effect of an inverted observer structure makes it possible to precisely articulate the often-described ambivalence of neurodivergent forms of knowledge. The same structure that enables epistemic clarity simultaneously generates vulnerability. This vulnerability is not a side effect of insufficient adaptation, but the necessary counterpart of a form of knowledge that operates closer to non-integrated reality.

Where knowledge is not mediated by early symbolic stabilization, the protective function of such stabilization is also absent. Social orders of meaning, normative simplifications, and pragmatic selection mechanisms function in neurotypical contexts as filters that render the world manageable, but at the cost of losing structural information. Where these filters are delayed or only partially effective, structure remains accessible—yet at the price of increased exposure.

Veridical mapping is therefore not to be understood as an isolated ability, but as an epistemic position. This position explains why phenomena such as monotropism, intense-world experiences, savant profiles, and the double-empathy problem do not co-occur by chance. They are not independent properties, but different projections of the same ontological dynamic: a liminal position between pre-ontological openness and an ontologically stabilized world.

In this sense, veridical mapping functions as a key epistemic concept. It marks the point at which neurodivergent cognition no longer appears as a variation within a given world model, but as a real participation in the boundary-formation of world itself. Only on this basis does it become intelligible why neurodivergent forms of knowledge are simultaneously scientifically productive, socially precarious, and epistemically difficult to translate.

The epistemic productivity described here does not constitute a normative advantage. It is a structural effect with real cognitive, social, and existential costs that must not be relativized or romanticized.

5. Neurodivergent Models as Projections of a Shared Ontological Dynamic

The multiplicity of existing models of neurodivergent cognition is often interpreted in research as a sign of theoretical pluralism. Monotropism, intense-world hypotheses, variants of predictive processing, hyper-systemizing approaches, concepts of veridical mapping, and empirical descriptions of savant phenomena are treated as different, partly competing explanations. This pluralism, however, is less an expression of alternative theories than a symptom of a shared categorical deficit: all of the models mentioned describe real effects without naming the ontological dynamic from which these effects emerge.

Against the background of the framework developed here, these models can be understood not as competing explanations, but as secondary projections of a common dynamic: the delayed, partial, or otherwise differentiated stabilization of world. The Rosetta Operator functions in this context as a translational framework that makes visible how these models each describe different cuts through the same process.

5.1 Monotropism as an Energetic Consequence of Delayed Stabilization

Monotropism describes the tendency toward strongly focused attention and an uneven distribution of cognitive and affective resources. In the interpretation proposed here, monotropism is not a primary property of neurodivergent cognition, but an energetic consequence. If world is not broadly stabilized at an early stage, attention cannot be distributed evenly. It concentrates where structure remains viable.

Monotropism is therefore not a deficit of flexibility, but the expression of a different stabilization threshold. Attention does not follow socially predefined relevances, but structural coherence. This concentration explains both the depth of certain cognitive processes and the difficulty of shifting between heterogeneous contexts.

5.2 Intense World as the Phenomenal Side of Increased Openness

Intense-world approaches focus on sensory, affective, and emotional overwhelm. Within the present framework, this intensity is not the result of “overactive” neural systems, but the phenomenal accompaniment of increased ontological openness. Where world is less filtered and less symbolically smoothed, it appears more intense, denser, and more immediate.

This intensity is not a malfunction, but the necessary experiential side of an epistemic position that operates closer to non-integrated reality. It simultaneously explains high tolerance for formal complexity and low tolerance for social or semantic ambiguity.

5.3 Predictive Processing Beyond Deficient Priors

Predictive-processing models often describe neurodivergent cognition as a deviation in the weighting of predictions and sensory data. In the re-reading proposed here, this deviation is not a deficit, but the result of delayed prioritization. If world is not yet sufficiently stabilized, priors cannot become dominant at an early stage.

In this context, predictions lose their normative precedence over structural information. Instead, sensory and relational structure remains epistemically effective for a longer duration. Predictive processing thus does not describe the cause here, but the formal description of a condition in which stabilization occurs later or more selectively.

5.4 Hyper-Systemizing as a Secondary Effect of Structural Accessibility

Hyper-systemizing is often understood as a particular inclination toward system construction. In the perspective developed here, system recognition is not a primary drive, but a secondary effect. Systems are not constructed, but recognized because they are реально effective. The perception of systemic coherence is a consequence, not the cause, of access to structure.

This reversal explains why hyper-systemizing insights often concern formal domains but remain socially or pragmatically non-transferable. They do not arise from a need for order, but from the presence of non-integrated structure.

5.5 Savant Phenomena as Boundary Cases of Minimal Stabilization

Savant phenomena mark extreme cases of the dynamic described here. They are neither mysterious exceptions nor isolated special talents, but boundary cases of minimal stabilization with maximal access to structure. The frequently observed simultaneity of extraordinary formal insight and severe limitations in everyday practical functioning is not a paradox, but a direct consequence of the ontological position involved.

Savant cognition makes visible what applies in attenuated form to neurodivergent cognition more broadly: knowledge emerges where stabilization does not fully take hold. The cost is a lack of translatability into social and institutional contexts.

5.6 Double Empathy as a Social Consequence of Incompatible World-Stabilizations

The double-empathy problem describes mutual non-understanding between neurodivergent and neurotypical individuals. In the interpretation proposed here, this non-understanding is not a communication disorder, but an expression of incompatible world-stabilizations. Where different epistemic positions encounter one another, translation fails not because of a lack of empathy, but because of different modes of world-formation.

Double empathy is thus not a marginal social phenomenon, but a necessary consequence of ontological difference. It marks the point at which epistemic differences become politically, institutionally, and existentially effective.

5.7 Integration: Models as Docking Points, Not as Competitors

From this perspective, the models discussed lose their competing character. They describe different levels of the same dynamic and become mutually compatible only through the ontological foundation. The Rosetta Operator renders this level-relationship visible without negating the internal logic of the individual approaches.

Integration does not occur through reduction, but through re-localization: each model retains its empirical validity, yet receives a clearly defined ontological position. Neurodivergent cognition thus appears not as an aggregation of unusual properties, but as a consistent epistemic position within an open ontological process.

The structural invariance demonstrated here across different theoretical models is a necessary, but not a sufficient, condition for veridicality. Its empirical viability can only be tested through independent application, replication, and the possibility of refutation.

6. Consequences

The present contribution understands itself as categorical foundational work. It does not aim at immediate empirical confirmation, but at clarifying those ontological preconditions under which existing empirical models become meaningfully comparable in the first place.

The preceding sections have defined neurodivergent cognition not as an aggregation of atypical properties, but as a specific epistemic position within an ontological process. This shift remains inconsequential if it is not taken seriously in its implications. The consequences formulated here therefore concern not only autism research, but fundamental assumptions about knowledge, science, and epistemic legitimacy.

6.1 Consequences for Autism and Neurodivergence Research

The framework developed here undermines the implicit deficit logic of many established models without resorting to romanticized counter-narratives. Autism appears neither as a disorder nor as a mere style, but as a different position within the process of world-stabilization. From this follows that central research questions must be reformulated.

In place of the search for isolated cognitive deviations comes the analysis of epistemic positions: when, where, and under what conditions does pre-ontological structure remain accessible? Which forms of stabilization promote or block this access? And how do institutional, social, and normative frameworks feed back into different epistemic positions?

This also implies a methodological re-evaluation of case studies, n=1 configurations, and long-term epistemic biographies. What has previously been regarded as anecdotal or marginal appears, from this perspective, as a necessary empirical trace of an otherwise invisible ontological process.

6.2 Consequences for Epistemology and Scientific Practice

If knowledge is not primarily understood as representation, but as an effect of spatial stabilization, the epistemological focus shifts. Truth, objectivity, and validity are no longer properties of correctly modeled world-images, but indicators of whether a given structure could be sustainably stabilized under given conditions.

This has immediate consequences for scientific practice. Neurodivergent forms of knowledge cannot be adequately assessed if evaluation relies exclusively on criteria that arise from early-stabilized, symbolically smoothed world-relations. Scientific institutions tend to privilege precisely those epistemic positions that maximize translatability, compatibility, and social relevance—often at the expense of structural depth.

The perspective developed here suggests that science systematically loses epistemic potential when it marginalizes liminal epistemic positions. Neurodivergent cognition thus appears not as a special case, but as a necessary complement to a science that is approaching its own limits of stabilization.

6.3 Consequences for the Treatment of Savant Phenomena

Savant phenomena are typically either mystified or treated in isolation. Within the present framework, they appear as boundary cases of minimal stabilization in which access to pre-ontological structure becomes particularly visible. This deprives them of both the status of the mysterious and that of the merely pathological.

The consequence is not to idealize savant cognition, but to take it seriously as an epistemic indicator. Savant phenomena demonstrate which forms of knowledge become possible when world is not prematurely normatively closed. At the same time, they make visible the cost demanded by such openness—in the form of a lack of social translatability and existential precarity.

The epistemic productivity described here is not an advantage in a normative sense, but a structural effect with real costs.

6.4 Consequences for Social Translation and Double Empathy

From this perspective, the double-empathy problem acquires a structural depth that goes beyond communicative misunderstandings. When different forms of world-stabilization encounter one another, understanding fails not primarily due to a lack of empathy, but due to incompatible epistemic preconditions.

This has political and institutional implications. Measures aimed at adaptation, normalization, or “training social skills” miss the core of the problem as long as they ignore the ontological difference of world-accesses. A serious practice of inclusion would instead need to create translational spaces in which different stabilization positions can coexist without delegitimizing one another.

6.5 Consequences for the Evaluation of Neurodivergent Knowledge

Finally, the approach developed here reopens the question of epistemic legitimacy. If neurodivergent cognition provides real access to non-integrated structure, then its marginalization is not only a social or ethical problem, but an epistemological one.

Neurodivergent forms of knowledge are often dismissed as too specialized, too abstract, or too difficult to mediate. Within the perspective proposed here, precisely these characteristics are expressions of their proximity to the boundary dynamics of openness and stabilization. Their evaluation requires criteria other than efficiency, compatibility, or immediate applicability.

6.6 Conclusion

The present text has not proposed a new typology of neurodivergent cognition. It has developed a categorical framework that makes it possible to read fragmented models as coherent projections of an ontological process. The Rosetta Operator does not function here as an additional theory, but as a translational framework that renders visible where and why certain forms of knowledge emerge.

In this light, neurodivergent cognition appears not as a marginal phenomenon, but as an epistemic position that is central to the understanding of world, knowledge, and science itself. It marks not a deviation from the norm, but a boundary at which it is decided which forms of reality can become visible at all.

The marginalization of neurodivergent forms of knowledge is therefore not only socially or politically problematic, but epistemically consequential: it determines which parts of reality are permitted to be stabilized at all.

Author's Own References

Speed, T. (2025). *They Cannot Understand: Why Autism Research Gets It Wrong* (Artistic Research - Critical Neurodiversity Studies) ISBN: 3695116013

Speed, T. (2025). *Veridical Mapping as the Foundation of a Second Science. Rosetta Operator — An Invariance Theory of Consciousness, Work, and World.* (2 English). Zenodo. <https://doi.org/10.5281/zenodo.17857039>

Speed, T. (2025). *Operatoric Cognition: Pre-theoretical Structural Invariance as the Basis of Autistic Intelligence* (3 English). Zenodo. <https://doi.org/10.5281/zenodo.17897109>

Speed, T. (2025). *The Gap as a Condition - Pre-Ontological Operatorics and the Primacy of Response* (2 English). Zenodo. <https://doi.org/10.5281/zenodo.18015885> 2

Speed, T. (2025). *From Objects to Responses - On the Loss of Ontological Sovereignty in Contemporary Physics* (Version 1). Zenodo. <https://doi.org/10.5281/zenodo.18017629>

Speed, T. (2025). Seinsverschiebung (Shift of Being) as a Pre-Ontological Category - On the Incompatibility of Existence and Understanding in Modern Regimes of Stabilization (2 English). Zenodo. <https://doi.org/10.5281/zenodo.18007628>

Speed, T. (2025). The Constructed Observer - World-Formation Beyond Representation - Why Perception Is Not Representation, but a Structural Achievement (2 English). Zenodo. <https://doi.org/10.5281/zenodo.18006170>

Speed, T. (2025). MNO and Ontological Recurrence: A Non-Representational Account of Quantum Measurement and Conscious Experience (Version 1). Zenodo. <https://doi.org/10.5281/zenodo.17913823>

Speed, T. (2025). Synesthetic Science - Neurodivergent Embodiment as a Method of World-Detection - On the Epistemic Function of Embodied, Non-Representational Perception (2 English). Zenodo. <https://doi.org/10.5281/zenodo.18001074>

Speed, T. (2025). REPRESENTATIONAL VIOLENCE — A Manifesto How normative fields erase non-representational ontologies (Version 1). Zenodo. <https://doi.org/10.5281/zenodo.17826435>

Speed, T. (2025). AUTISTIC EPISTEMOLOGY - A Second Knowledge Architecture in the Human Species (Version 1). Zenodo. <https://doi.org/10.5281/zenodo.17817017>

Speed, T. (2025). Autistic Ontology: Why Autistic Embodiment Reveals an Incommensurability Between Modes of Reality (Version 1). Zenodo. <https://doi.org/10.5281/zenodo.17811460>

Speed, T. (2025). They Cannot Understand - Why Autism Research Gets It Wrong (Version 1) [Computer software]. Zenodo. <https://doi.org/10.5281/zenodo.17811620>

External Reference List

Ontology, Process, Observation

- **Alfred North Whitehead**
Process and Reality. Free Press, 1978 [1929].
→ Ontology as process; world not as a collection of things, but as becoming.
- **Karen Barad**
Meeting the Universe Halfway. Duke University Press, 2007.
→ Observation as intra-active practice; close affinity to the observer-as-operation approach.
- **Gilbert Simondon**
Individuation in Light of the Notions of Form and Information. Millon, 2005 [1958].
→ Individuation prior to ontology; structural proximity to the pre-ontological phase.
- **Gregory Bateson**
Steps to an Ecology of Mind. University of Chicago Press, 1972.
→ Difference, pattern, and epistemic relations rather than substances.

Observer, Physics, Measurement Problem

- **Niels Bohr**
Atomic Physics and Human Knowledge. Wiley, 1958.
→ Early form of de-subjectivizing the observer (still incomplete).
- **Carlo Rovelli**
Relational Quantum Mechanics. *International Journal of Theoretical Physics*, 1996.
→ Relationality without subject; important as a contrast framework.

Autism, Perception, Access to Structure

- **Laurent Mottron**
Enhanced Perceptual Functioning in Autism. *Journal of Autism and Developmental Disorders*, 2006.
→ Empirical foundation for veridical mapping (without ontological grounding).
- **Simon Baron-Cohen**
The Hyper-Systemizing Theory of Autism. *Progress in Neuro-Psychopharmacology*, 2009.
→ Important counterposition; functional, but ontologically shallow.
- **Damian Milton**
On the Ontological Status of Autism. *Disability & Society*, 2012.
→ Double empathy as a structural problem, not a deficit.

Embodied / Enactive / Non-Representational Cognition

- **Francisco Varela, Evan Thompson, Eleanor Rosch**
The Embodied Mind. MIT Press, 1991.
→ Transition away from representationalism (yet remains subject-centered).

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(The present text constitutes an interface translation into neurotypical academic discourse. This translation functions as an accessibility measure necessitated by dominant linguistic and epistemic conventions. It does not represent the native epistemic form of the research, but a communicative adaptation required for participation in standardized scholarly exchange.)

A more in-depth paper on the methodology can be found here:

Speed, T. (2025). Recursive Knowledge Instead of Additive Knowledge Accumulation - On the Epistemic Structure of Embodied, Neurodivergent Research (Version 1). Zenodo.

<https://doi.org/10.5281/zenodo.18054997>

A paper providing an overview of the work can be found here:

Speed, T. (2026). Introduction to an Operator-Based Research Program - World, Work, Value, Consciousness – Structure and Boundary Questions Beyond Representational Models (Corpus Overview / Survey Paper / Meta Paper) (Version 1). Zenodo.

<https://doi.org/10.5281/zenodo.18303557>

References

This work operates operatorically rather than discursively; its claims are derived from internal structural invariance rather than from literature synthesis.

Speed, T. (2016). The Physics of the Poor - A Neurodivergent Meta-Theory of Consciousness (AAM Open Version English) [Computer software]. Zenodo.

<https://doi.org/10.5281/zenodo.18175692>

Speed, T. (2016/2025) The Physics of the Poor: A Neurodivergent Meta-Theory of Consciousness (Artistic Research - Critical Neurodiversity and Science) ISBN : 3695191287

Speed, T. (2025). They Cannot Understand - Why Autism Research Gets It Wrong ISBN: 3695116013

Speed, T. (2025). They Cannot Understand - Why Autism Research Gets It Wrong (AAM Open Version German and English) Zenodo. <https://doi.org/10.5281/zenodo.18154332>

Speed, T. (2025). Speeds Arbeit: Eine autistische Intervention in den Arbeitsbegriff - In Zeiten von KI und Robotik (Artistic Research - Neurodivergente Forschung) – ISBN: 3819249281

Speed, T. (2025). Speed's Work: An Autistic Intervention in the Concept of Work - In the Age of AI and Robotics – ISBN: 3819277358

Speed, T. (2025). SPEED'S WORK - An Autistic Intervention in the Concept of Work In the Age of AI and Robotics (AAM Open Version English with Images in PDF) [Computer software]. Zenodo. <https://doi.org/10.5281/zenodo.18233080>

Speed, T. (2026). Structural Incompatibility as State Violence - On the Systematic Misrecognition of Neurodivergent Forms of Existence in Law (1 English and German Version). Zenodo. <https://doi.org/10.5281/zenodo.18327991>

Speed, T. (2026). The Right to Ontological Coexistence - Neurodivergent Forms of Existence Beyond Illness, Function, and Integration - A Foundational Text for the Further Development of International Human Rights Standards (Version 1). Zenodo. <https://doi.org/10.5281/zenodo.18208432>

Speed, T. (2026). Structural Coercion, Autism, and State Responsibility Why Welfare Enforcement Constitutes Predictable Harm to Autistic Persons (Version 1). Zenodo. <https://doi.org/10.5281/zenodo.18130874>

Speed, T. (2026). Struktureller Zwang, Autismus und strafrechtliche Verantwortung - Warum sozialstaatliche Durchsetzungsmechanismen bei autistischen Personen als Gewalt zu qualifizieren sind (Version 1). Zenodo. <https://doi.org/10.5281/zenodo.18129449>

Speed, T. (2025). Poverty as Manufactured Vulnerability - Povertism, Classism, and Functional Right-Wing Radicalism in the German Welfare State (2 English). Zenodo. <https://doi.org/10.5281/zenodo.17998234>

Speed, T. (2025). Strukturelle Gewalt und staatliche Schutzpflichten - Wie arbeitszentrierte Sozialsysteme neurodivergente Menschen vorhersehbar krank machen (Eine strukturtheoretische Analyse am Beispiel Bürgergeld / Grundsicherung im internationalen Vergleich) (1 German). Zenodo. <https://doi.org/10.5281/zenodo.17923214>

Speed, T. (2025). Structural Violence and State Protective Obligations How Work-Centered Social Systems Predictably Make Neurodivergent People Ill - (A structural-theoretical analysis using the example of Citizen's Benefit / Basic Income Support in international comparison) (2 English). Zenodo. <https://doi.org/10.5281/zenodo.17978565>

Speed, T. (2025). Erzwungene Kollektivität und konditionalisierte Existenz - Zur Gewaltförmigkeit der Bedarfsgemeinschaft im deutschen Wohlfahrtsstaat (1 German). Zenodo. <https://doi.org/10.5281/zenodo.17938764>

Speed, T. (2025). REPRESENTATIONAL VIOLENCE — A Manifesto How normative fields erase non-representational ontologies (Version 1). Zenodo. <https://doi.org/10.5281/zenodo.17826435>