

Kurpishev FOS: Reper Limit and Reduction of Worlds

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Abstract

The article presents Kurpishev FOS as universal packet-Reper support connectivity. FOS is defined as the inverse limit of Reper assemblies of event@states. A world is a world only when its objects have a domain, a sufficient foundation and harmonic Reper closure.

1. Minimal unit

$$c = C@C = (e, s).$$

An event without a state is not localized; a state without an event is empty.

2. Reper

$$\text{Rep}(c) = (R_c, I_c, U_c; D_c).$$

3. FOS

$$\text{FOS} = \lim_{\leftarrow \tau \in \mathcal{J}} \prod_{c \in \text{Ob}(\mathcal{C}_\tau)} (R_c, I_c, U_c; D_c).$$

FOS is not a sum of objects. It is the condition of Reper-realizability of worlds.

4. World reduction

$$W = \Theta_W(\text{FOS}; D_W).$$

Finance, chemistry, DNA, biosystems and culture are reductions of FOS.

5. Theorem

$$W = \Theta_W(\text{FOS}; D_W) \iff \forall c \in W : \text{Dom}_W(c) \wedge D_c \wedge \text{cr}(U_c, I_c; R_c, D_c) = -1.$$

6. Conclusion

FOS is a rigorous level between metaphysics and local mathematics: it states when a connection becomes Reper-realized.

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