Qeios

Definition

Entelopy

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Entelopy is the functionally usable relational order stored between an entelenomic system and its symvironment. It measures the system's capacity to convert symvironmental information into directed, coherent, future-relevant state-change through predictive, feedback-closed loops.

In thermodynamic analogy, entelopy plays a role similar to free energy. Free energy is the capacity to perform physical work under thermodynamic constraints; entelopy is the capacity to perform informational or cybernetic work under symvironmental uncertainty.

Entelopy is not identical to entropy, negentropy, or mutual information. Mutual information measures raw relational dependence. Entelopy is the functionally meaningful portion of that dependence: the part that contributes to prediction, loop closure, viability, attractor maintenance, or directed transformation.

Declarations

Potential competing interests: No potential competing interests to declare.

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