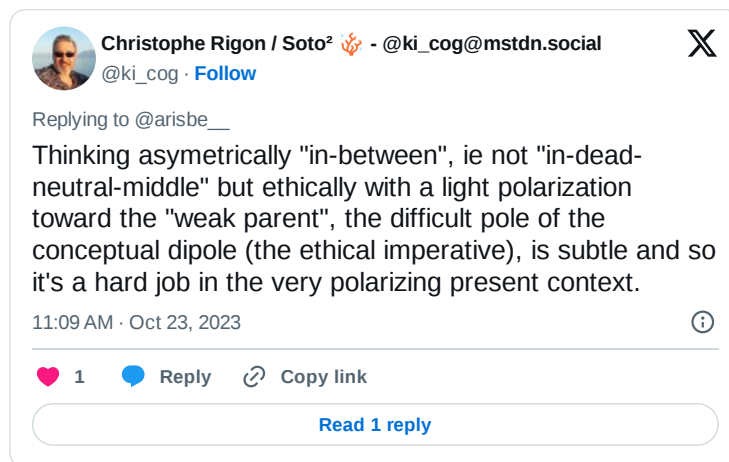




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Second-order thinking² is a comprehensive *meta-dualist thinking* implying, in one (declarative) aspect, to work with a large number of "conceptual dipoles", ie aporia stabilized by scholar culture like form/process, part/whole, explication/comprehension, top-down/bottom-up, etc.



Thinking² is more iterative than linear, more ana-logical, ie bio-logical, than abstractedly "logical": concepts & functions are lived as enacted (Varela) from meaning-making, embodied, thought and feel at the same time, integrated. Automatic thinking is reduced to its minimum.

Having a good grasp on deductive and inductive thinking is a necessary first step. I think that the phenomenological experience of thinking² is very near of what Pearce describes as "abduction", but with sciences & technologies of cognition added to the mix.

Sciences and technologies of cognition are not used in the scybermethics process to rationalize a posteriori the phenomenological experience, but are from the beginning integrated parts of the iterative and culturally distributed (interdisciplinarity) process.

The scybernetic process being itself enacted/emerging step by step from the regulative meaning-making activity of interacting with top-down scholar knowledge of cognition and analogic computer simulation of artificial cognition.

Theory and method, like in any scientific process, are then dynamically co-determined, co-specifying each other iteratively in the making, gradually taking a rational² disciplined coherence linked to self-phenomenology inquiry.

Biocognitive knowledge becomes then not only a static coherent collection of "facts" but also a source of collective and objective self-knowledge guiding milestones.

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