

Dear Professor X,

Epistemic universal geometry: Given the epistemic threats of the deepfake era for science itself, I developed a novel Neo-Popperian epistemology that is more robust against what I call scientific and empirical adversarial AI attacks (there was an urgent need to improve upon empiricist epistemologies which would lead to a stagnation and death of science in the deepfake era). This novel philosophy of science (called "cyborgnetic epistemology") suddenly became able to merge with the realm of science due to experimental problematization possibilities using AI. While working on that, I also discovered that an epistemic geometry emerged from it. In short, when a scientist comes up with better new previously unknown theories about the universe as a whole, in my paradigm, the consciousness of the scientist seems to be making an a priori undecidable move on a state space I originally called the cynet bulk. This year, I realized that my cynet bulk is indistinguishable from the cosmic fractal invariant set you describe. This may be why cyborgnetic entities like humans with their brains being the currently best models of the universe on Earth are non-algorithmic (when I say algorithmic, I mean your definition of computational and when I say computational, I utilize the physical definition of constructor theory of information which generically grounds computation in changes of physical substrates, without equating computation with algorithmicity). So if one extends your theory to encode cyborgnetic epistemology, one may be able to not only unify QM, GR and chaos theory as you stated, but also in addition cyborgnetic consciousness/creativity/intelligence (for a few more details on my framework, see my slides from a recent seminar; there one finds some predictions that my framework entails for artificial superintelligence achievement claims including new scientific impossibility statements and a new scientific evaluation framework to constrain those claims). Currently I see your cosmic invariant set as being equivalent to the explicate order of David Bohm. That at the singular limit one obtains QM seems to be due to it standing for Bohm's implicate order. So, the cosmic invariant set may be interpretable as a projection of the implicate order which is the ground for both matter and cyborgnetic consciousness as Bohm already suspected. What are your thoughts on this novel avenue?

Best regards,

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