

CompContr, LF, and Incalculability [First and Foremost]

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Abstract

A no-brainer.

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Gauge theory is how modern physics deals with atypical redundancy. That is one imposes a gauge connection on a Lagrangian equation to achieve gauge invariance. For equations of motion rely on gauges to achieve gauge equations that shows symmetry -- or gauge symmetry. For even so (using integration) gauge equations achieve mathematical favorability. The information they attain leads to achieving more and more precision in high-energy physics. Allowing the quantification and modeling of physical phenomenon (quark confinement, string interactions, and spin-foams) to integrate with each other in such a way that gauge models can be constructed that yields information about particle behavior, and their composition, as one gets closer to the Planck energy scale. But even then gauge theory is without its drawbacks, for gauge symmetry is a valuable commodity but a brain drain that eventually crash the field of theoretical physics into computational disarray. With integrable functions (like the Lebesgue measure, σ -measure or the 10-dimensional S-matrix for super-string interactions) calculations become more and more burdensome. Such burdensome implies further strain at the expense of computational power and efficiency.

So the solution is to introduce logical form [LF] and computational control [CompContr] to simplify the field of physics to achieve parsimony, elegance, and eloquence. Enabling more computational power while achieving more and more precision in such a way that complex physical equations and long calculations is no more. Hence one achieves the birth of Advance Physics. As modern physics has become a marvel of classical physics and a short-live fashion statement in the sciences. That said, Incalculability is an updated approach to SUPREME. But an engineering approach. For those reasons there can be no denying, integrability has no qualifications to address the incalculable. An integrated approach that is well-understood while the least of one's concern.