

Connecting Conscious Action Theory with Main Stream Physics

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Abstract. Conscious Action Theory¹ (CAT) treats all isolated systems as observers who incorporate subjective experiences in a physical action flow around their own time cycle. At the organizational level of human beings this flow is directly experienced as the ones 1st-person perspective. However, since one is the action flow and cannot get out of ones self, understanding and controlling that 1st-person experience is only possible through the use of symbols representing an inferred 3rd-person theoretical perspective. An action physics, which combines these perspectives, assumes material has an internal aspect in addition to the external past and future sides encountered in classic physics. By adding internal forces to the foundational assumption of mass, charge, space and time encountered in classic physics one achieves an intuitive explanation of quantum theory and a rational explanation of subjective phenomena currently excluded from science. To achieve this goal several technical calculation challenges connecting the CAT expansion of physics, which incorporates subjective phenomena, with main stream physics is desirable.

First, this paper will first present arguments that show why the four quaternion formulation of mass, electric, weak, and strong forces^{2,3,4} connect the standard model of conventional physics to the external and internal forces of the CAT model. This connection will prove that Bohm's pilot waves are thoughts and quantum theory has always been the physics of the system that knows the world.

Second, this paper will argue that by including forces between charge and mass the stability of material and macroscopic material distortions, favoring the Mach-Lorentz⁵ interpretation of relativity theory is naturally explained. The possibility that microscopic internal interaction involving relative mass charge oscillations could be tied to Schrödinger's Zitterbewegung, the fine structure constant, and Penrose's gravitational wave function collapse is explored.

References

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