Mach's Principle Explained as Continuous-State 'Noeon Flux' of the Unified Field

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Abstract. The fundamental origin of Mach's Principle (inertia) explained as Continuous-State 'Noeon Flux' of the Unified Field. The noeon is the putative ontological (nonquantized) exchange unit of the Unified Field. This discovery also suggests insight into the fundamental origin of the Fine Structure Constant (FSC) and why Gravity is not quantized. M-Theoretic postulates currently suggest that the force of gravity is associated with mirror symmetric Calabi-Yau brane dynamics. Since this entails 'Topological Charge' with 'curvature' transferred ontologically between branes by 'Topological Switching' which is an inherent process of Unified Field Mechanics (UFM) gravity cannot be quantized in this model.