

Abstract Submitted  
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**Absolute Planck Values: Moving Beyond the Arbitrary Assignment of Unity** JOHN LAUBENSTEIN, IWPD Research Center — Planck Values provide a valuable tool in efforts to understand basic universal relationships; however, they fall short of having any truly intrinsic value. Planck Values come with the assumption that unity can be assigned to up to five of the fundamental universal constants. While constraining these values to unity may be convenient, it by no means ensures that intelligent life anywhere in the universe would make the same assumptions. Further, the peculiar value of the inverse fine structure constant of 137 suggests that it is naive to assume that any of the physical constants are equal to unity or any other simplistic value. Through an analysis of gravitation and electrostatic force, the IWPD Research Center has derived a logical argument for a revised set of Planck Values that represent absolute values with true universal significance. Of greatest importance, is a recalculated Planck Mass that serves as a truly fundamental unit of mass at the quantum scale. This finding contrasts with the significantly large value associated with the current Planck Mass and provides new information that may be critical in the search to unify General Relativity with Quantum Mechanics.

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