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Paula R. Kimmerling* (paula.kimmerling@wsu.edu), 1455 NE Brandi Way Apt. C204, Pullman, WA 99163, and **Jacob W. Hastings**. *Analyzing the Algebra of the Schrödinger Equation*.

This poster will explore algebraic interpretations of the Schrödinger Equation. When dealing with a system of multiple particles or of higher dimension, the energy eigenstates of the Schrödinger Equation are degenerate. Generally, degeneracy implies that an algebraic interpretation exists. We wish to demonstrate that such an interpretation also exists regarding these eigenstates and, in addition, we will explore the implications of this interpretation. (Received February 27, 2017)