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Abstract for an Invited Paper  
for the APR17 Meeting of  
the American Physical Society

**The 1,358,954,496 Matrix Elements to Get From SUSY Diff EQ's to Pictures, Codes, Card Games,  
Music, Computers, and Back Again**  
SYLVESTER GATES, University of Maryland

In this presentation a discussion is given of a recent derivation of a supersymmetrical QM representation spectrum that took some surprising twists and turns along the way.