CMP Seminar

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Anharmonic oscillator: almost analytic solution

Simple highly accurate approximation of eigenfunctions of arbitrary single-well anharmonic oscillator is proposed. It leads to unprecedented accuracy $\sim 10^{-10}$ in eigenvalues (energies). Generalization to the lowest eigenstates of the Hydrogen atom subject to constant uniform magnetic field (the Zeeman effect) will be mentioned.

https://msu.zoom.us/j/93288359932
Meeting ID: 932 8835 9932
Passcode: 077433

Monday, January 31st, 2022, at 4:10 p.m.
Host: Mark Dykman