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**High Energy Eigenfunctions
of One-Dimensional Schrödinger Operators
with Polynomial Potentials**

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Abstract. For a class of one-dimensional Schrödinger operators with polynomial potentials that includes Hermitian and PT -symmetric operators, we show that the zeros of scaled eigenfunctions have a limit distribution in the complex plane as the eigenvalues tend to infinity. This limit distribution depends only on the degree of the polynomial potential and on the boundary conditions.

Keywords. Eigenfunctions, PT -symmetry, Stokes phenomena, asymptotics.

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