On a Theorem of Mochizuki About Oscillating Long-Range Potentials.

Abstract. In his paper Mochizuki established the principle of limiting absorption. A key ingredient of his proof was the construction of approximate phases. In this talk we present an alternate construction. Our construction is based on the Ben-Artzi and Devinatz paper: "Spectral and scattering theory for the adiabatic oscillator and related potentials, J. Math. Phys., 1979."