

## 44TH SUMMER SYMPOSIUM IN REAL ANALYSIS

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### **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."