Meeting: 1003, Atlanta, Georgia, SS 15A, AMS Special Session on Quantum Topology, I

1003-57-1322 **Stavros Garoufalidis*** (`stavros@math.gatech.edu`), School of Mathematics, Georgia Tech, Atlanta, GA 30332-0160, and **Ovidiu Costin** (`costin@math.rutgers.edu`), School of Mathematics, Rutgers University, Piscataway, NJ 08854-8019. *Asymptotics of difference equations with a parameter.*

We discuss joint work with Ovidiu Costin on existence of formal and actual solutions to difference equations with a small parameter. The results deal with the case of collision of the eigenvalues and are useful in an approach to the Hyperbolic Volume Conjecture. (Received October 04, 2004)