

**Meeting:** 1003, Atlanta, Georgia, SS 26A, AMS-SIAM Special Session on Dynamic Equations on Time Scales; Integer Sequences and Rational Maps, I

1003-39-613      **Saber N. Elaydi\*** (selaydi@trinity.edu), One Trinity Place, Department of Mathematics, Trinity University, San Antonio, TX 78212, and **Andreas Ruffing**. *Asymptotics for some discrete Schrodinger equations*. Preliminary report.

We will discuss asymptotic representations of solutions of certain discrete Schrodinger equations. Two schemes of discretization will be used, one leads to a second order difference equation and the second leads to a fourth order difference equation. (Received September 24, 2004)