

1056-35-1341

Guoping Zhang*, Department of Mathematics, Morgan State University, 1700 E Cold Spring Lane, Baltimore, MD 21251. *Standing wave solutions of the discrete nonlinear Schrödinger equations with site-dependent nonlinearity*. Preliminary report.

In this talk I will show the existence of infinitely many nontrivial standing wave solutions of the discrete nonlinear Schrödinger equation with the unbounded potential and site-dependent nonlinearity by using the generalized Nehari manifold method. (Received September 21, 2009)