

Joint AARMS-CRM Workshop: Recent Advances in Functional
and Delay Differential Equations
1–5 November 2007

*Breather solutions in the discrete NLS with
parametric forcing*

Panayotis Panayotaros
Depto. Matemáticas y Mecánica
IIMAS-UNAM
Apdo. Postal 20-726
01000 Mexico DF
MEXICO
panos@mym.iimas.unam.mx

Abstract

We present existence results for localized breather-type solutions in the discrete NLS equation with time-periodic parametric forcing. We will consider the cases of small amplitude and high frequency forcing.