



Seminário Conjunto

CIMA/CMAF/DMAT

**28 de Setembro de 2010, Terça-feira
CLAV – Anf. 4 - 10:00 horas**

*On Homoclinic Solutions of a Semilinear p -Laplacian
Difference Equation with Periodic Coefficients*

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Resumo

We study the existence of homoclinic solutions for semilinear p -Laplacian difference equations with periodic coefficients. The proof of the main result is based on Brezis-Nirenberg's Mountain Pass Theorem and concentration compactness arguments. Several examples and remarks are given.