



ÇANKAYA UNIVERSITY
FACULTY OF ARTS AND SCIENCES
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCES

SEMINAR

TITLE: About the spectral analysis of
 q -difference equations and operators

SPEAKER : Dr. Yelda Aygar, Ankara University

DATE : 25 November, 2016

TIME : 13:00

PLACE : Çankaya University (Central Campus), R-213

Abstract

Spectral theory of difference equations and operators have been studied on for many years. In recent years, quantum calculus has received a lot of attention, so it has led to rapid development of the theory of q -difference equations and so, spectral analysis of these operators become popular and attractive for mathematicians.

In this talk, I investigate the spectral analysis of second order q -difference equations with respect to their coefficients, boundary conditions and with respect to the properties of their Jost solution.

All interested are cordially invited.

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