



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

## SEMINAR

**Exact traveling wave Solutions for some nonlinear time fractional fifth-order Caudrey-Dodd-Gibbon equation by (G'/G)-expansion method**

**SPEAKER** : Bahram Agheli

**DATE** : 15 June, 2016

**TIME** : 14:30

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

### Abstract

In this paper, we have established the (G'/G)-expansion method to find exact solutions for time fractional fifth-order Caudrey-Dodd-Gibbon equation (FCDG5). This method is an effective method in finding exact traveling wave solutions of nonlinear evolution equations (NLEEs) in mathematical physics.

The present approach has the potential to be applied to other nonlinear fractional differential equations. All of the numerical calculations in the present study have been performed on a PC applying some programs written in Mathematica.

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*All interested are cordially invited.*

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