

APPLIED MATHEMATICS SEMINAR
Department of Mathematics
University of West Georgia
4:00 PM, WEDNESDAY, OCTOBER 8, 2008, BOYD 304

Speaker: Dr. AMIN BOUMENIR, UWG

Title: **SERIES SOLUTIONS FOR KPP TYPE EQUATIONS**

Abstract

We look for series solutions of a non linear reaction diffusion equation that is similar to the K.P.P. equation by using a variant of the decomposition method. The solution is expressed through a sum of Hermite functions, and is shown to be a classical one. The obtained algorithm can be used to approximate these solutions. This is joint work with Dr. Nguyen Van Minh.

All are welcome.