

APPLIED MATHEMATICS SEMINAR
Department of Mathematics
University of West Georgia
4:40 PM, MONDAY, OCTOBER 2, 2006, BOYD 304

Speaker: Dr. Amin Boumenir, UWG

Title: **ON THE BLOW-UP RATE BY REGULAR VARIATION
FUNCTIONS**

Abstract

We develop a direct method for obtaining the blow-up rate of positive solutions of semi-linear parabolic equations by using the theory of regularly varying functions. The method is applicable any time the blow-up set is a single point.

All are welcome.