Analysis Seminar

Mr. Ning Zhang, Memorial University

Monday, November 28th, 2011 1:00p.m.,HH -3013

"Supersolutions for semilinear heat equations with unbounded initial data"

Abstract:

In this talk, I will present recent results by James C. Robinson and Mikolaj Sierzega's, where a semilinear heat equation with nonnegative initial data was investigated.

We will define a positive and monotonic operator to connect the existence and regularity with the existence of supersolution. Moreover, we will show how to identify the supersolution.