

Mathematics Graduate Seminar

**Mr. Andrew Rose
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**Thursday, February 9, 2017
1:00p.m., HH-3017**

Adaptive Mesh Methods

Abstract:

In this talk I will outline the basic tools for numerical integration for solving ODEs. From there, we will motivate and build the basics for the construction of an adapted mesh to solve more complicated differential equations. Finally, we will prove some simple results of monotonic behavior for the resulting solutions.