MATHEMATICS GRADUATE STUDENT PRESENTATION

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MACROSCOPIC TRAFFIC MODELING

Tuesday, April 24th, 2007
12:30 pm – 1:00 pm
Engineering Room 201

This talk covers some modern traffic models, which use ideas from fluid dynamics to describe the flow of cars on a network. Starting with the flow on a single road, it is possible to deal with arbitrarily complex networks. The simplest case occurs when we restrict ourselves to a single conservation law, (conservation of cars), and consider admissible solutions on each road and junction in a network.