

Department of Mathematical Sciences
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SEMINAR

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February 27, 2003
304 Whitehead Hall
Refreshments: 3:30 p.m.
Seminar: 4:00 p.m.

A TOUR OF EPSILON-REGULARITY FOR GRAPHS

ABSTRACT

In this talk, we give a survey of results on random-like graphs called ϵ -regular graphs. We will trace the development of ϵ -regularity from its origins in Szemerédi's celebrated Regularity Lemma to more recent results such as the Blow-up Lemma, and applications of the Blow-up Lemma. No prior knowledge of ϵ -regularity is assumed, and the talk should be accessible to graduate students.