Honors Seminar: Topics in Asymptotic Geometric Analysis

Math 496 – Lecture Q1

January – April 2011

Time and Place: TR 15:30 – 16:50, CAB 281.

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Office Hours: By appointment

Prerequisite: Math 317 or equivalent.

Objectives: Asymptotic Geometric Analysis is concerned with geometric and linear properties of finite dimensional objects, such as convex sets and normed spaces, when the dimension is suitably large or tends to infinity. We will discuss several results from Asymptotic Geometric Analysis as well as related results from Convex Geometry and Functional Analysis.

Grading Policy: There will be no exams. The grade will be based on your presentations as well as on your participation in our seminar.

Dates: First Class: Jan. 11; Reading week: Feb. 21–25; Last class: Apr. 12.

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