



The University of Chicago  
Department of Statistics

Seminars for Second Year Ph.D. Students

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**Fixed Domain Asymptotics  
for Stationary Gaussian Random Fields**

**WEDNESDAY, April 14, 2010, at 4:15 PM  
110 Eckhart Hall, 5734 S. University Avenue**

**ABSTRACT**

Classic asymptotic theory in spatial statistics is problematic for many reasons. A more natural notion of asymptotics, called fixed domain, is needed. This theory has been developed in the last 20 years, requires new techniques, and many questions are still open. In this presentation I will show its definition and some of the recently published results, as well as some possible directions of research.