6.979/15.098 Special Seminar in Applied Probability

This is a doctoral student seminar covering current topics in applied probability. For the offering of Spring 2006, the topics covered will be at the interface of 

**statistical physics** (replica symmetry breaking and spin glasses), **probability** (local weak convergence and correlation decay), **artificial intelligence** (belief propagation algorithms), **computer science** (random K-SAT problem, coloring, average case complexity) and **electrical engineering** (Low density parity check (LDPC) codes).

**Instructors:** Prof. D. Gamarnik & Prof D. Shah  
**Time:** F 12-2:00.  
**Place:** E51-390.
Graph colouring