Physics 7653: Statistical Physics
http://www.physics.cornell.edu/sethna/teaching/653/
Material for Week 2
Exercises due Tuesday Sep 5
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Pre-class Preparation

Thursday
Read: Chapter 12, Sec. 12.2 (Scale invariance)
12.17 Scaling and Coarsening; submit electronically by 9:30 Wednesday evening.

Tuesday
Read: Chapter 12, Sec. 12.3 (Examples of critical points)
12.6 Period doubling and power laws; submit electronically by 9:30 Monday evening.

Exercises

12.12: Diffusion equation and universal scaling functions
12.23 or 12.24 The renormalization group and the central limit theorem
12.9 First to fail: Weibull