

Physics 7653: Statistical Physics
<http://www.physics.cornell.edu/sethna/teaching/653/>
Material for Week 2
Exercises due Tuesday Sep 5
Last correction at August 27, 2017, 1:35 pm
©2017, James Sethna, all rights reserved

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