Material for Week 14

Physics 4488/6562: Statistical Mechanics https://sethna.lassp.cornell.edu/Teaching/562/Exercises due Mon. May 09
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This homework is due next Monday, the last day of class.

The exercises with numbers N1.xxx are to be found in https://sethna.lassp.cornell.edu/StatMech/NewStatMechExercises.pdf

The final exam will be distributed on XXX, and is due XXX.

Monday

In-class question: 12.29 The onset of chaos: lowest order RG

Wednesday

Read: 'Crackling wires', James P. Sethna, Science, 318, 207-8 (2007), and 'Crackling crossover',

James P. Sethna, *Nature Physics*, **3**, 518-9 (2007), Pre-class question: 12.21 Earthquakes and wires

In-class question: 12.31 Singular corrections to scaling

Friday
Read: ,
Monday
Read: ,

Exercises for everyone (4488 and 6562)

12.33 Pandemic.

Exercises for Graduate Course (6562 only)

12.32 Conformal invariance. Hints are available in Python and Mathematica at https://sethna.lassp.cornell.edu/StatMech/EOPCHintsAndMaterials.html

N1.6 Beer and rigidity: jamming.