

University of California Riverside

PHYS 133, Statistical Mechanics, Spring 2019

Problem set #2

Due May 3, 2019 @ 5:00pm

1. **Read and review.** Sethna Ch. 2 and Ch. 3. From Ch. 2, read carefully the sections on solving the diffusion equation.
2. **Fourier and Green.** Sethna Problem 6, Chapter 2.
3. **Hard Sphere Gas.** Sethna Problem 5, Chapter 3.
4. **Gauss and Poisson.** Sethna Problem 9, Chapter 3.