

Phys 229a, CFT: Final Presentation Topics

Final presentations for the winter quarter will be Tuesday March 13, at 9am in Lauritsen 469 (the usual time in the usual classroom). They will be 25 minutes each. (This is less time than it sounds like, so don't prepare too much material.) Some possible topics are below. You are more than welcome to choose a different topic, but please check with me to determine whether it would be suitable.

Please let me know which topic you have chosen by March 1.

- Scale vs. conformal invariance in 4d: [arXiv:1309.2921](#)
- Free Maxwell theory in $d \neq 4$ and scale vs. conformal invariance: [arXiv:1101.5385](#)
- Spinning conformal correlators: [arXiv:1107.3554](#)
- Counting conformal correlators: [arXiv:1612.08987](#)
- Spinors in the embedding space: [arXiv:1006.3480](#), [arXiv:1204.3894](#)
- The long-range Ising model: [arXiv:1509.00008](#), [arXiv:1703.05325](#)
- The disordered Ising model: [arXiv:1603.04444](#)
- Monopole operators: [hep-th/0206054](#)
- Generalized global symmetries: [arXiv:1412.5148](#)