

CHAPTER OVERVIEW

7: Mean Field Theory of Phase Transitions

- [7.1: The van der Waals system](#)
- [7.2: Fluids, Magnets, and the Ising Model](#)
- [7.3: Mean Field Theory](#)
- [7.4: Variational Density Matrix Method](#)
- [7.5: Landau Theory of Phase Transitions](#)
- [7.6: Mean Field Theory of Fluctuations](#)
- [7.7: Global Symmetries](#)
- [7.8: Ginzburg-Landau Theory](#)
- [7.9: Appendix I- Equivalence of the Mean Field Descriptions](#)
- [7.10: Appendix II- Additional Examples](#)
- [7.S: Summary](#)

Thumbnail: Domain walls in the two-dimensional Ising model.

This page titled [7: Mean Field Theory of Phase Transitions](#) is shared under a [CC BY-NC-SA](#) license and was authored, remixed, and/or curated by [Daniel Arovas](#).