

Monte Carlo Simulation of Melting Transition

- ★ Monte Carlo method used to model atomic behavior
- ★ Temperature decreased to 0 K to simulate annealing
- ★ Temperature of solid raised to simulate melting at fixed density



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- ★ Melting temperature and pair correlation function obtained
- ★ Melting transition studied at different densities
- ★ Melting temperature drops as density is reduced?

