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Title: Magnetic properties of the Hubbard model on an fcc lattice

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We examine the question of a minimum model for itinerant ferromagnetism. The magnetic properties of the Hubbard model on an fcc lattice are studied.We use exact diagonalization (ED) and the Constraint Path Monte Carlo (CPMC) methods to obtain accurate ground-state information. Several methodological improvements in CPMC will be discussed. We will present preliminary results on the phase diagram, and compare with results from Dynamical Mean Field theory. Research supported by ARO and NSF.