**Aging behavior in disordered systems**[1] HYUNHANG PARK,
MICHEL PLEIMLING, Virginia Tech — Using Monte Carlo simulations we investigate aging behavior during phase ordering in two-dimensional Ising models with disorder and in three-dimensional Ising spin glasses. The time-dependent dynamical correlation length $L(t)$ is determined numerically and the scaling behavior of various two-time quantities as a function of $L(t)/L(s)$ is discussed. For disordered Ising models deviations of $L(t)$ from the algebraic growth law show up. The generalized scaling forms as a function of $L(t)/L(s)$ reveal a simple aging scenario for Ising spin glasses as well as for disordered Ising ferromagnets.

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