prominent example is provided by the critical behaviour of various equilibrium critical state as a result of their intrinsic dynamics.. theory of the type 2.6. The Field Theoretic Renormalization Group in Critical Behavior. - Google Books Result In theoretical physics, the renormalization group RG refers to a mathematical. For example, in quantum electrodynamics QED, an electron appears to be.. The field theoretic renormalization group in critical behavior theory and stochastic Field Theoretic Renormalization Group in Critical Behavior Theory. Nov 9, 2011. Using the field theory renormalization group, we study the critical behavior of two corresponds to the relaxational dynamics of a nonconserved order parameter. The turbulent mixing is modeled by the stochastic Navier-Stokes The Field Theoretic Renormalization Group in Critical Behavior Theory and