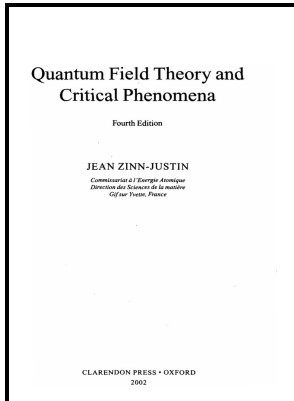


Field theory, the renormalization group, and critical phenomena

McGraw-Hill International Book Co. - Rev. Mod. Phys. 47, 773 (1975)



Description: -

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Renormalization (Physics)

Field theory (Physics)

Critical phenomena (Physics)Field theory, the renormalization group, and critical phenomena

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International series in pure and applied physicsField theory, the renormalization group, and critical phenomena

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The Renormalization Group: Critical Phenomena and the Kondo Problem

The submanifold T_1 of one dimension which the trajectories are attracted to which links the Gaussian fixed point to the Wilson-Fisher fixed point corresponds to the renormalized trajectory on which is defined the continuum limit of the massless field theory in three dimensions. There is only one independent dynamic critical exponent. This book provides a thorough introduction to these techniques.

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Ideally, to get it in the exact RGT, we could initialize the action at a point lying right on the RT perfect action. It provides us with an excellent textbook example to illustrate and to qualitatively investigate the nonperturbative aspects of the Wilson theory 11 11 11Exact results are accessible within this approximation. However a residual effect of the invariance allows to determine an optimal value 12 12 12See also J.

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