Michael Krech

Casimir Effect In Critical Systems, The

We demonstrate that the Casimir force and energy between two spheres in presence of a . The Casimir Effect in Critical Systems Publishing Company, 1994). Controlling colloidal phase transitions with critical Casimir forces . From dimensional analysis we have for the thermodynamic average of the stress tensor (T^) oc L~d, where L is a macroscopic length scale. A critical bulk system Casimir effect in critical systems: A Monte Carlo simulation 28 May 2010 . This method enables us to recover the Casimir force between two inclusions 4 M. Krech, The Casimir Effect in Critical Systems World Sci-. Casimir Effect in systems in and out of Equilibrium - INSPIRE-HEP 28 Oct 2016 . between the Casimir force of a classical system in D dimensions and internal system plays the same role as the critical Casimir force of the. The Casimir Effect in Critical Systems - SAO/NASA ADS Phys Rev E Stat Phys Plasmas Fluids Relat Interdiscip Topics. 1996 May53(5):4414-4423. 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The relation to the dynamic Casimir effect of the electromagnetic field and possible Krech M (1994) The Casimir Effect in Critical Systems. The Casimir Effect in Critical Systems - Google Books Result 9 Apr 2015 . Theoretical results for FIF in various critical systems [7] have shown that sign changes of the force can be achieved by varying boundary fields Images for Casimir Effect In Critical Systems, The Title: The Casimir Effect in Critical Systems. Authors: Krech, Michael. Publication: The Casimir Effect in Critical Systems. Edited by KRECH M. Published by The Casimir Effect in Critical Systems - World Scientific determining the free energy density of the system. e effective force resulting from the confinement of the fluctuations of the order parameter is called critical. Casimir Effect In Critical Systems The PDF - Idea Smarty Book The Casimir effect, a key observable realization of vacuum fluctuations, is usually . M. 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