



"Soft-Matter Seminar"

„Infinite-order wetting transitions“

Prof. J.O. Indekeu
Katholieke Universiteit Leuven, Belgium

Abstract:

A class of density-functional models for wetting phase transitions is defined. A locus of wetting transitions in the plane of two model field variables is determined on which there are first-order and higher-order, including infinite-order, transitions. The observed behavior is rationalized via a different but related, analytically soluble model [1].

1. Infinite-order transitions in density-functional models of wetting, K. Koga, J.O. Indekeu and B. Widom, Phys. Rev. Lett., to appear.

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Prof. Dr. Roland Netz
Physik-Department T 37, Technische Universität München, Theoretische Physik
85747 Garching