

# **Critical Phenomena At Surfaces And Interfaces: Evanescent X-Ray And Neutron Scattering (Springer Tracts In Modern Physics) (Volume 126) By Helmut Dosch**

**By Helmut Dosch**

Critical phenomena at surfaces and interfaces: evanescent X-ray and neutron scattering, Springer Tracts scattering. Springer Tracts in Modern Physics

<http://www.sciencedirect.com/science/article/pii/092145269490135X>

Abstract. The theory of critical phenomena in films (and general systems of restricted geometry) is reviewed, introducing the critical point shift exponent and the

<http://scitation.aip.org/content/avs/journal/jvst/10/5/10.1116/1.1318410>

Helmut Dosch. DESY-Director, Critical phenomena at surfaces and interfaces. High-resolution in situ x-ray study of the hydrophobic gap at the water

<http://scholar.google.co.in/citations?user=FVqvYkAAAAJ>

Cao Z. Thin Film Growth Physics, Materials Science and reactive magnetron sputtering and epitaxial growth of graphene films on single crystal metal surfaces.

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Critical phenomena at surfaces and interfaces : evanescent X-ray and neutron scattering. Helmut Dosch. Springer-Verlag c1992 Springer tracts in modern physics :

<http://ci.nii.ac.jp/author/DA06491696>

Phase transitions and critical phenomena is a 20-volume series of books, comprising review articles on phase transitions and critical phenomena, published during 1972

[http://en.wikipedia.org/wiki/Phase\\_transitions\\_and\\_critical\\_phenomena](http://en.wikipedia.org/wiki/Phase_transitions_and_critical_phenomena)

confirmed the scaling predictions for critical phenomena at surfaces which are characterized by surface 33042/2\_Critical\_phenomena\_and

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<http://www.amazon.com/Critical-Phenomena-Surfaces-Interfaces-Evanescent/dp/3662149753>

Surface Enhanced Raman Scattering: Physics (Springer Tracts in Modern Physics USA (Springer proceedings in physics) Francoise Hippert Neutron and X-ray  
<http://www.alzahra.ac.ir/Persian/news/Basic%20Sciences.xls>

H. Dosch, Critical Phenomena at Surfaces and Interfaces (Evanescent X-ray and Neutron Scattering), Springer Tracts in Modern Physics Vol. 126  
<http://www.degruyter.com/view/j/chem.2009.7.issue-1/s11532-008-0089-1/s11532-008-0089-1.xml>

Critical phenomena at surfaces are studied in a simple two-dimensional model of non-equilibrium phase transitions belonging to the class of interacting particle systems.  
<http://iopscience.iop.org/0305-4470/24/12/025/>

Springer Tracts in Modern Physics Volume 126, Evanescent X-ray scattering Book Title Critical Phenomena at Surfaces and Interfaces  
<http://link.springer.com/chapter/10.1007/BFb0045211>

Probing surface and interface morphology with Grazing Incidence Small Angle X-Ray Scattering. Uploaded by Gilles Renaud. Info; Research Interests: Physics,  
[http://www.academia.edu/5070914/Probing\\_surface\\_and\\_interface\\_morphology\\_with\\_Grazing\\_Incidence\\_Small\\_Angle\\_X-Ray\\_Scattering](http://www.academia.edu/5070914/Probing_surface_and_interface_morphology_with_Grazing_Incidence_Small_Angle_X-Ray_Scattering)

Advances in Solid State Physics Volume 41 1438-4329 Springer Tracts in Modern Physics 0081-3869 Anomalous X-Ray Scattering for Material Characterization :  
[http://documentation.abes.fr/sudoc/manuels/echanges/imports\\_dans\\_le\\_sudoc/Springer\\_LN\\_eBook.xlsx](http://documentation.abes.fr/sudoc/manuels/echanges/imports_dans_le_sudoc/Springer_LN_eBook.xlsx)

Critical Phenomena at Surfaces and Interfaces Evanescent X-Ray and Neutron Scattering. Springer Tracts in Modern Physics Series Volume 126  
<http://link.springer.com/book/10.1007/BFb0045209>

Surface critical phenomena in three-dimensional percolation Youjin Deng<sup>1,\*</sup> and Henk W. J. Blote<sup>1,2</sup> <sup>1</sup>Faculty of Applied Sciences, Delft University of Technology, P. O.  
[http://repository.tudelft.nl/assets/uuid:367d3e20-73b0-4368-bfaa-a1340c3ab6e7/aps\\_deng\\_2005e.pdf](http://repository.tudelft.nl/assets/uuid:367d3e20-73b0-4368-bfaa-a1340c3ab6e7/aps_deng_2005e.pdf)

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In the past, perfect surfaces have been shown to yield local critical behaviour that differs from bulk critical behaviour. On the other hand, surface defects, whether

<http://iopscience.iop.org/0305-4470/37/19/R01>

Neutron and X-ray Spectroscopy Modelling Critical and Catastrophic Phenomena in Springer Tracts in Modern Physics

<http://www.lib.ocha.ac.jp/topics/2011/11651.xls>

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The presence of free surfaces adds a rich and interesting complexity to critical phenomena associated with phase transitions occurring in bulk materials. We sha

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Title: TOPICAL REVIEW: Critical phenomena at perfect and non-perfect surfaces: Authors:

Pleimling, M. Affiliation: AA(Institut f r Theoretische Physik I

<http://adsabs.harvard.edu/abs/2004JPhA...37R..79P>

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Surface Science 279 (1992) 367-379 North-Holland surface science Critical phenomena at the Fe<sub>3</sub>Al(110) surface: a glancing angle X-ray scattering study H

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