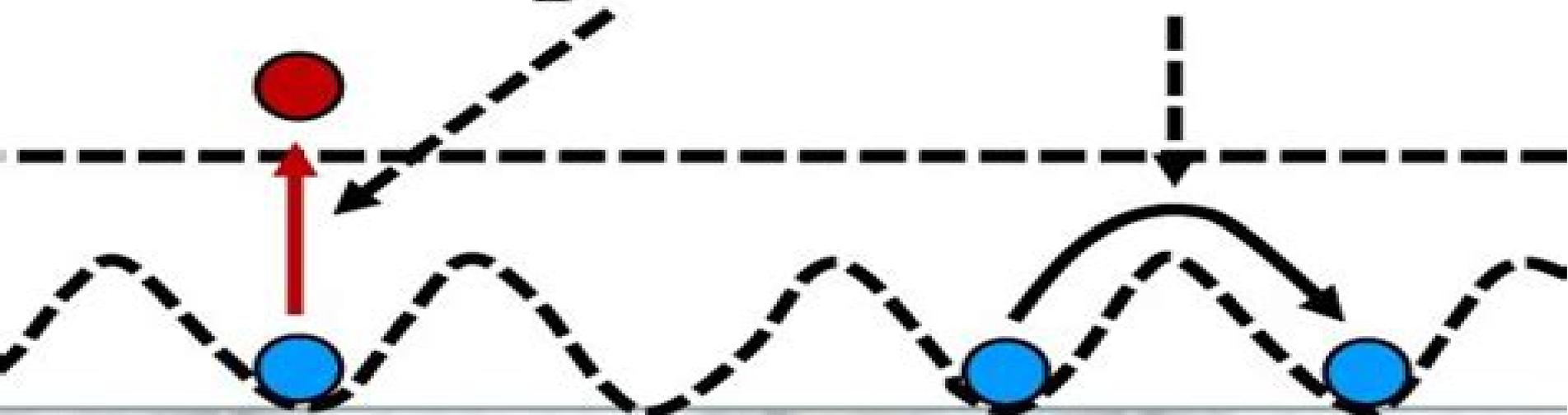


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Surface Diffusion

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Surface Diffusion Grazyna Antczak, Gert Ehrlich, 2010-06-10 For the first time this book unites the theory experimental techniques and computational tools used to describe the diffusion of atoms molecules and nanoparticles across metal surfaces Starting with an outline of the formalism that describes diffusion on surfaces the authors guide the reader through the principles of atomic movement before moving on to diffusion under special circumstances such as the presence of defects or foreign species With an initial focus on the behaviour of single entities on a surface later chapters address the movement of clusters of atoms and the interactions between atoms While there is a special emphasis on experimental work attention is paid to the increasingly valuable contributions theoretical work has made in this field This book has wide interdisciplinary appeal and is ideal for researchers in solid state physics chemistry as well as materials science and engineering

Surface Physics of Materials V2 J.M. Blakely, 2012-12-02 Surface Physics of Materials Volume II provides an account of the physical properties of solid surfaces It examines the status of work on a number of aspects of solid surfaces and predicts the most profitable avenues for future research The book contains a set of papers carefully selected to give broad coverage of the field of surface physics The individual chapters deal with topics of current research interest and emphasize surface properties rather than the applicability of experimental techniques This volume focuses on the transport of matter and interaction between surfaces through adhesion and friction It provides a chemical analysis of surfaces and surface vibrations This volume caters to research workers teachers and graduate students in surface physics and serves as reference texts for the materials scientist specializing in other branches of the subject

Surface Diffusion and Surface Structure David Fisher, 1998-05-30 10 Years of Research

Springer Handbook of Surface Science Mario Rocca, Talat Rahman, Luca Vattuone, 2021-01-14 This handbook delivers an up to date comprehensive and authoritative coverage of the broad field of

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Surface Diffusion M C Tringides, 2014-01-15
Corrosion Tests and Standards Robert Baboian, 2005
Transactions Faraday Society, 1926

Surface Diffusion by an Atomic Exchange Mechanism John David Wrigley, 1982
Biological Reviews Cambridge Philosophical Society, 1930
Diffusion Data, 1972
Philosophical Magazine, 1923
The London, Edinburgh and Dublin Philosophical Magazine and Journal of Science, 1875
Chemical Pathology; Being a Discussion of General Pathology from the Standpoint of the Chemical Processes Involved Harry Gideon Wells, 1907
Engineering Experiment Station Series University of Wisconsin. Engineering Experiment Station, Wisconsin. University. Engineering Experiment Station, 1927
Bulletin of the University of Wisconsin, 1927
Experiments on Loss of Head in U, S, and Twisted S Pipe Bends Charles Ives Corp, Henry Thomas Hartwell, 1927
Engineering-contracting, 1910
Engineering and Contracting, 1918
Municipal Journal and Public Works, 1910

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