

Energy Landscapes, Inherent Structures, And Condensed-Matter Phenomena By Frank H. Stillinger

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CiteSeerX Energy landscapes, scale-free networks -

Abstract. We review recent results on the topological properties of two spatial scale-free networks, the inherent structure and Apollonian networks.

"Taming the Rugged Landscape: Production, -

We present studies of the potential energy landscape of selected binary The required inherent structures and transition states for the construction of

Nonequilibrium fluctuations in small systems-From -

Abstract: In this paper I am presenting an overview on several topics related to nonequilibrium fluctuations in small systems. I start with a general discussion about

Condensed Matter authors/titles Nov 2011 - -

Rugged free-energy landscapes in disordered spin systems Soft Condensed Matter (cond-mat.soft); Other Condensed Matter Soft Condensed Matter

The potential energy landscape and inherent -

The potential energy landscape and inherent dynamics of a hard-sphere fluid of the inherent structures of the landscape energy-landscape ensemble,

Exploring the potential energy landscape of -

from inherent structures via metabasins Fractal free energy landscapes in Frank H. Stillinger The Journal of Physical Chemistry B 2011

Memory effects in schematic models of glasses -

The NK model is a spin model with multi-spin interactions that is designed to generate energy landscapes M inherent structures no matter Stillinger F H 1998

Energy Landscape Distortions and the Mechanical -

Molecular simulations and an energy landscape analysis are used to examine the stretching of a model protein. Inherent structures (energy minima)

www-library.desy.de -

(30kb) Title: Energy dynamics in the Soft Condensed Matter; Title: The distance between Inherent Structures and the influence of saddles on

Publications | The Glotzer Group -

(2003) Particle rearrangements due to transitions between inherent structures of a Physics: Condensed Matter 12 Frank H. Stillinger, Thomas B

Condensed Matter authors/titles Oct 2012 - -

tienne Marcotte, Frank H. Stillinger Disordered Systems and Neural Networks (cond-mat.dis-nn); Soft Condensed Matter Low-energy structures of

Analysis of classical statistical mechanics by -

Analysis of classical statistical mechanics by means of incredible advances in condensed matter physics that could Frank, H. Stillinger,

CiteULike: ruvido's energy_ landscape [20 -

by Frank H. Stillinger. The concept of energy landscapes promises to connect aspects of biology, The role of structure, energy landscape,

Energy Landscapes, Inherent Structures, and -

Energy Landscapes, Inherent Structures, and Condensed-Matter Phenomena - Molecular Chemistry - Books on Dentistry - Valuable medical/health info related to diseases,

Mapping the potential energy landscapes of -

The higher-energy inherent structures consist of chains We have presented a thorough description of the potential energy landscapes of Se 3 Se 8 clusters

CiteULike: Packing Structures and Transitions in -

Frank H. Stillinger, Packing Structures and Transitions in Liquids This approach permits identification of an inherent structure in liquids that is normally

Thermodynamics of supercooled liquids in the -

liquids in the inherent-structure Frank H. Stillinger and Pablo G. Debenedetti Annual Review of Condensed Matter Physics 2013 4 263 CrossRef

Frank Stillinger - Princeton University -

ACS Award in Theoretical Chemistry presented to Frank H. Stillinger For pioneering computer simulations of water; developing inherent structure theory of liquids and

Energy Landscape and Global Optimization for a -

We investigate the energy landscape of this protein This structure implies that the energy landscape for the BLN inherent structure analysis and

The nature of folded states of globular proteins - -

The nature of folded states of globular proteins. Energy landscapes: Frank H. Stillinger, Peter J. Rossky,

An energy landscape model for glass-forming -

particles have different energy landscapes. the result of mapping the true dynamics onto a series of inherent structures P.G. Debenedetti, F.H. Stillinger;

Folding energy landscape and network dynamics of -

The folding energy landscape of proteins has been suggested to be funnel-like with some inherent structure analysis and statistical temperature

Hidden structure in protein energy landscapes -

Abstract Inherent structure theory is used to discover strong connections between simple characteristics of protein structure and the energy landscape of a G model.

Energy landscapes, ideal glasses, and their -

Energy landscapes, ideal glasses, and their Using the inherent structure formalism originally we generalize the thermodynamics of an energy landscape that

Experimental and Computational Techniques in Soft -

Soft condensed matter physics relies on a fundamental Kinetic Maps from Free-Energy Landscapes, Phys. Rev S.Torquato and F. H.Stillinger,

A conformal solution theory for the energy -

We apply conformal solution theory and extend to mixtures a have been experimentally observed in condensed matter inherent structure energy,