

Hierarchic theory of liquids and solids - computerized applications for ice water and biosystems

Nova Science Publisher - Hierarchic Theory of Liquids & Solids: Computerized Applications for Ice Water & Biosystems by Alex Kaivarainen (Hardcover, 2007) for sale online

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Oscillations.

Quantum theory -- Data processing

Condensed matter -- Computer simulation

Condensed matter -- Data processing

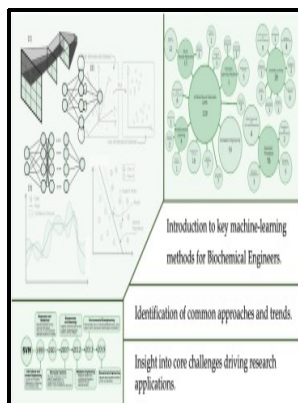
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The Hierarchic Theory of Liquids and Solids: Computerized Applications for Ice, Water and Biosystems: Computerized Applications for Ice Water & Biosystems : Alex Kaivarainen: ne-x.uni.rf.gd.au: Books

This work describes the theories of total internal energy, including contributions of kinetic and potential energies, heat capacity, surface tension, vapour pressure, thermal conductivity, and viscosity. Total number of physical parameters of liquids and solids in wide T-interval, including that of phase transitions, to be possible to evaluate using CAMP computer program, is about 300.

The hierarchic theory of liquids and solids (2008 edition)

Computer programs based on a new theory were used for comprehensive simulations of water and ice physical properties and validation of the theory.

Hierarchic Theory of Liquids & Solids: Computerized Applications for Ice Water & Biosystems by Alex Kaivarainen (Hardcover, 2007) for sale online

Packaging should be the same as what is found in a retail store, unless the item is handmade or was packaged by the manufacturer in non-retail packaging, such as an unprinted box or plastic bag. . The agreement between theoretical and available experimental results is good.

The hierarchic theory of liquids and solids (2008 edition)

New theories of total internal energy, including contributions of kinetic and potential energies, heat capacity, surface tension, vapour pressure, thermal conductivity, viscosity and self-diffusion are described. Condensed matter is considered as a system of 3D standing waves collective excitations of different nature: thermal de Broglie waves, IR photons and thermal phonons.

The Hierarchic Theory of Liquids and Solids: Computerized Applications for Ice, Water and Biosystems: Computerized Applications for Ice Water & Biosystems : Alex Kaivarainen: ne-x.uni.rf.gd.au: Books

Quantitative interrelation between microscopic, mesoscopic as intermediate and macroscopic properties of condensed matter were found out. New theories of total internal energy, including contributions of kinetic and potential energies, heat capacity, surface tension, vapor pressure, thermal conductivity, viscosity and self-diffusion are described.

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Product Identifiers Publisher NOVA Science Publishers, Incorporated ISBN-10 1600219012 ISBN-13 9781600219016 eBay Product ID ePID 62274116 Product Key Features Format Hardcover Language English Publication Year 2008 Number of Pages 369 Pages Dimensions Item Length 7. Quantitative interrelation between microscopic, mesoscopic as intermediate and macroscopic properties of condensed matter were found.

[physics/0102086] The Hierarchic Theory of Liquids and Solids. Computerized applications for ice, water, and Biosystems

Condensed matter is considered as a superposition of 3D standing waves collective excitations of different nature: thermal de Broglie waves, IR photons and thermal phonons. Hierarchic theory of osmotic pressure, based on new state equation, new theories of light refraction, Brillouin light scattering and Messbauer effect are presented also in article and compared with available experimental data for water and ice. Computer program, based on new theory, was used for simulations of big number of physical properties of water and ice.

Hierarchic Theory of Liquids & Solids: Computerized Applications for Ice Water & Biosystems by Alex Kaivarainen (Hardcover, 2007) for sale online

Very minimal wear and tear. This book presents a review of an original Hierarchic theory of condensed matter, general for liquids and solids and its numerous applications.

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