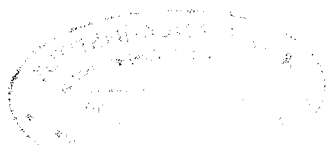
Peter Buhler

Nanothermodynamics



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The book is a continuation of the author's following books: Physicochemical Thermodynamics of Substance (2000), Thermodynamics of substances at high pressures (2001), published by Yanus Publishing house, St. Petersburg.

The thermodynamic properties of nanodispersed substances, nanodispersed solutions, and colloidal dispersed systems have been discussed in the book. The following well-known phenomena have been quantitatively described: an increase in the saturated vapor pressure of nanodispersed substance, a decrease in the saturated vapor pressure of liquid nanophase at the surface of solid substance (physical adsorption), melting temperature depression for nanodispersed substance, and other features of substance in the nanodispersed state.
The book can be ordered (30 EURO for a book) at e-mail (yanus_ph@rambler.ru).
This book can be ordered at the publisher Verlag Palm & Enke, Erlangen, ISBN 3-7896-0676-6.

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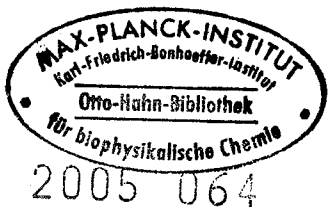

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