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DSIR LLU M-1853 (LOAN) 57,474

Sci Mus Lib 57/2650

Am Met Soc X-126

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Synthesis and Properties of Some Alkyl Esters of Ethanethiosulfonic Acid, by B. G. Boldyrev and A. K. Litkovets, 4 pp.

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Synthesis of 3-Cyclopenten-1-one and 2,5-Dimethyl-3-cyclopenten-1-one, by B. N. Dashkevich, 2 pp.

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Alkylation of Benzene by Butylenes with a Catalyst with a Boron Fluoride Base, by A. V. Topchiev, M. V. Kurashev and Ya. M. Paushkin, 4 pp.

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ZERO VIBRATIONAL ENERGY OF CHAIN AND LAYER STRUCTURES AND THE HEAT CAPACITY.
[1961] [12]p. 28 refs.
Order from OTS or SLA $1.60 61-16708

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1956, v. 107, no. 5, p. 719-722.

DESCRIPTORS: Vibration, *Lattices, *Crystals, Cadmium compounds, Iodides, Energy, Mathematical analysis.

The deviation, in percent, of the function

$$D_m = 3mR(T/\theta)^m \int_0^{\theta/T} x^{m+1} \exp x(\exp x-1)^{-2} dx$$

from the previously expressed (Akad. Naus SSSR Doklady 58: 577, 1947 and Zhur. Fiz. Khim. 24: 111, 1950) limiting law $C_2 = D_2 = 43.274R(T/\theta_2)^2$ was determined to be

(Physics--Solid State, TT, v. 6, no. 7) (over)

61-16708

I. Tarasova, L. M.
II. Tarasov, V. V.

Office of Technical Services

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Influence of the root System of Formation of the Phorosynthetic Apparatus, by B. A. Rubin, V. F. Germanova, 6 pp.

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The Relativistic Kinetic Equation, by S. T. Beliayev, G. I. Budker, 5 pp.

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