
High Temperatures-High Pressures

Volume 37, Number 3, 2008

SPECIAL ISSUE

Eighth International Workshop on Subsecond Thermophysics, Moscow

GUEST EDITORS

Vladimir Fortov and Mikhail Sheindlin

Preface to the special issue on the Eighth International Workshop on Subsecond Thermophysics, Moscow VLADIMIR FORTOV AND MIKHAIL SHEINDLIN	185
Thermophysical properties of solid phase titanium in a wide temperature range NENAD D. MILOŠEVIĆ AND KOSTA D. MAGLIĆ	187
Selected thermophysical properties of Hf-3%Zr from 2200K to 3500K obtained by a fast pulse-heating technique CLAUS CAGRAN, THOMAS HÜPE, BORIS WILTHAN AND GERNOT POTTLAGHER	205
Thermal diffusivity of the aluminum alloy Al-5Mg-2Si-Mn (Magsimal-59) in the solid and liquid states E. KASCHNITZ AND M. KÜBLBÖCK	221
Experimental determination of the normal spectral emissivity of titanium at the melting point by the infinitely thin plate method ALEXANDER V. KOSTANOVSKIY, DMITRY V. PRESNYAKOV AND MARGARITA E. KOSTANOVSKAYA	231
Electrical resistivity of high temperature metallic melts – Hf-3%Zr, Re, Fe, Co, and Ni THOMAS HÜPE, CLAUS CAGRAN, GEORG LOHÖFER AND GERNOT POTTLAGHER	239
The electrical conductivity of dense metal vapor plasma ALEXANDER L. KHOMKIN AND ALEKSEY S. SHUMIKHIN	247
The transport coefficients and the ionic composition of aluminum in liquid and gaseous phases EVGENIY M. APFELBAUM	253
Premelting of solid Fe at the contact with amorphous Ar at high pressure S. V. STARIKOV AND V. V. STEGAILOV	261
Investigation of near critical point states of tantalum, lithium and sodium by pulse heating under launching VLADIMIR YA. TERNOVOI, DMITRY N. NIKOLAEV, SERGEY V. KVITOV, ALEXEY A. PYALLING AND ANTON N. TRUKHANENOK	267
OBITUARY: Professor Emeritus M. Necati Özisik	275

ISSN: 0018-1544 • HTHP 37(3) 185-276 (2008)

PAPERS IN THIS JOURNAL ARE AVAILABLE ON-LINE BEFORE THE PRINT COPY
www.oldcitypublishing.com/HTHP/HTHP.html