

10th International Conference on Cryocrystals and Quantum Crystals

Под редакцией М.А. Стржемечного

Содержание

Preface	531
<i>Ramos M.A., Pérez-Castañeda T., Jiménez-Riobóo R.J., Rodríguez-Tinoco C., and Rodríguez-Viejo J.</i> Do tunneling states and boson peak persist or disappear in extremely stabilized glasses?	533
<i>Krushinskaya I.N., Boltnev R.E., Bykhalo I.B., Pelmenev A.A., Khmelenko V.V., and Lee D.M.</i> Optical spectroscopy and current detection during warm-up and destruction of impurity–helium condensates	541
<i>Danchuk V.V., Solodovnik A.A., Mysko N.S., and Strzhemechny M.A.</i> Unusual morphology of equimolar Ar–Kr alloys	546
<i>Drobyshev A., Aldiyarov A., Kurnosov V., Katpaeva K., Korshikov E., Sokolov D., Shinbayeva A., and Timchenko A.</i> Physical modeling of the formation of clathrate hydrates of methane	552
<i>Romanova T.V., Stachowiak P., and Jeżowski A.</i> Heat transfer in Ar and N ₂ doped solid CO	559
<i>Yakub E.S.</i> Melting of cryocrystals at high pressures. Computer simulation	564
<i>Freiman Yu.A., Grechnev Alexei, Tretyak S.M., Goncharov Alexander F., and Gregoryanz Eugene</i> Poisson’s ratio in cryocrystals under pressure	571
<i>Yakub L.N.</i> Phase diagram of the polymeric nitrogen	576
<i>Tychengulova A., Aldiyarov A., and Drobyshev A.</i> Molecular dynamics simulation of thermodynamic and transport properties of H-bonded low-temperature substances	582
<i>Chikina I. and Shikin V.</i> Mechanisms of self-screening in pure ice	588
<i>Levchenko A.A., Likhter A.M., Khramov D.A., Gryaznova V.A., and Shikin V.B.</i> Shielding characteristics of water ..	590
<i>Chikina I. and Shikin V.</i> On dissociation in weakly doped ice	594
<i>Szewczyk D., Jeżowski A., Krivchikov A.I., and Tamarit J.Ll.</i> Influence of thermal treatment on thermal properties of adamantane derivatives	598
<i>Efimov V., Izotov A., Mezhev-Deglin L., Nesvizhevskii V., Rybchenko O., and Zimin A.</i> Structural and phase transitions in nanocluster ethanol samples at low temperatures	603
<i>Nemirovskii Sergey K.</i> Energy spectrum of the quantum vortices configurations	608
<i>Brazhnikov M.Yu., Levchenko A.A., Mezhev-Deglin L.P., and Remizov I.A.</i> Wave turbulence on the surface of liquid hydrogen in restricted geometry: the influence of the boundary conditions	615
<i>Klochko M.S. and Strzhemechny M.A.</i> Low-temperature thermodynamics of Xe-doped fullerite C ₆₀	620
<i>Nikonkov R.V., Stachowiak P., Romanova T.V., Jeżowski A., and Sumarokov V.V.</i> Investigations of thermal conductivity of simple van der Waals crystal-based nanocomposites	625

Low Temperature Physics/Fizika Nizkikh Temperatur

Volume 41, No. 6, 2015

Special Issue

June, 2015

10th International Conference on Cryocrystals and Quantum Crystals

Guest Editor M.A. Strzhemechny

Contents

Preface	531
<i>Ramos M.A., Pérez-Castañeda T., Jiménez-Riobóo R.J., Rodríguez-Tinoco C., and Rodríguez-Viejo J.</i> Do tunneling states and boson peak persist or disappear in extremely stabilized glasses?	533
<i>Krushinskaya I.N., Boltnev R.E., Bykhalo I.B., Pelmenev A.A., Khmelenko V.V., and Lee D.M.</i> Optical spectroscopy and current detection during warm-up and destruction of impurity–helium condensates	541
<i>Danchuk V.V., Solodovnik A.A., Mysko N.S., and Strzhemechny M.A.</i> Unusual morphology of equimolar Ar–Kr alloys	546
<i>Drobyshev A., Aldiyarov A., Kurnosov V., Katpaeva K., Korshikov E., Sokolov D., Shinbayeva A., and Timchenko A.</i> Physical modeling of the formation of clathrate hydrates of methane	552
<i>Romanova T.V., Stachowiak P., and Jeżowski A.</i> Heat transfer in Ar and N ₂ doped solid CO	559
<i>Yakub E.S.</i> Melting of cryocrystals at high pressures. Computer simulation	564
<i>Freiman Yu.A., Grechnev Alexei, Tretyak S.M., Goncharov Alexander F., and Gregoryanz Eugene</i> Poisson’s ratio in cryocrystals under pressure	571
<i>Yakub L.N.</i> Phase diagram of the polymeric nitrogen	576
<i>Tychengulova A., Aldiyarov A., and Drobyshev A.</i> Molecular dynamics simulation of thermodynamic and transport properties of H-bonded low-temperature substances	582
<i>Chikina I. and Shikin V.</i> Mechanisms of self-screening in pure ice.....	588
<i>Levchenko A.A., Likhter A.M., Khramov D.A., Gryaznova V.A., and Shikin V.B.</i> Shielding characteristics of water ..	590
<i>Chikina I. and Shikin V.</i> On dissociation in weakly doped ice.....	594
<i>Szewczyk D., Jeżowski A., Krivchikov A.I., and Tamarit J.Ll.</i> Influence of thermal treatment on thermal properties of adamantane derivatives	598
<i>Efimov V., Izotov A., Mezhov-Deglin L., Nesvizhevskii V., Rybchenko O., and Zimin A.</i> Structural and phase transitions in nanocluster ethanol samples at low temperatures	603
<i>Nemirovskii Sergey K.</i> Energy spectrum of the quantum vortices configurations	608
<i>Brazhnikov M.Yu., Levchenko A.A., Mezhov-Deglin L.P., and Remizov I.A.</i> Wave turbulence on the surface of liquid hydrogen in restricted geometry: the influence of the boundary conditions	615
<i>Klochko M.S. and Strzhemechny M.A.</i> Low-temperature thermodynamics of Xe-doped fullerite C ₆₀	620
<i>Nikonov R.V., Stachowiak P., Romanova T.V., Jeżowski A., and Sumarokov V.V.</i> Investigations of thermal conductivity of simple van der Waals crystal-based nanocomposites	625