

CONTENTS

	Page
Belotskii E. D., Byvalkevich M. A., Gritsenko N. I., Lev B. I., Rogoza A. V. and Tomchuk P. M., Carrier mobility in nematic liquid crystals	961
Moskvitin M. L. and Sabirov R. Kh., Bound electron and positron state in an ionic crystal	966
Nebola I. I., Kharkhalis N. R. and Koptsik V. A., Lattice dynamics of diamond-type crystals in superspace symmetry	972
Lashkarev G. V., Brodovoi A. V., Radchenko M. V., Mintyanskii I. P., Mirets A. L. and Tovarnitskii M. V., Phase transition in layered crystals TiS_2	980
Danilchenko B. A. and Rozhko S. Kh., Phonon conduction of doped n -Ge	984
Dimashko Yu. A., Shatskii P. P. and Yablonskii D. A., Magnetic susceptibility tensor of domain walls in orthorhombic ferromagnet	989
Maksimova T. I. and Mintairov A. M., Resonance Raman scattering excitation lineshapes of KI with MnO_4^- and MnO_3^{2-} impurities	993
Kokhanovskii S. I., Makushenko Yu. M., Seysyan R. P. and Efros A. L., Exciton absorption linewidth in $In_{1-x}Ga_xAs/InP$ solid solutions	999
Mikhailov I. G., Morozovskii A. E., Tolpygo S. K. and Yushchenko S. K., Electrical and magnetic properties of $La_2Cu_{1-x}Ni_xO_{4+\delta}$	1007
Malakhovskii A. V., Morozova T. P., Zabluda V. N. and Ryabinkina L. I., Optical and magneto-optical properties of α -MnS and their relation with phase transitions	1012
Andreyenko A. S., Damyanova R. N., Ivanova T. I., Nikitin S. A. and Sinitsyn E. V., Magnetic moment anisotropy in amorphous Tb-Co alloys with induced anisotropy	1020
Kosobukin V. A., Sazhin M. I. and Sel'kin A. V., Resonant elastic light scattering from a rough CdS surface in the A - and B -exciton state spectral range	1023
Orlova T. S., Smirnov B. I., Shpeizman V. V., Stepanov Yu. P. and Chernova S. P., Mechanical load-induced change in the characteristics of the superconducting transition in Y-Ba-Cu-O	1031
Akopyan I. Kh., Vorobyeva T. A., Gromov D. N. and Novikov B. V., Luminescence of $RbAg_4I_5$ and KAg_4I_5 superionic conductors	1038
Vlokh O. G., Kityk A. V. and Mokryi O. M., Birefringent and elastic properties of $\{N(CH_3)_4\}_2MnCl_4$ crystals in the region of phase transitions	1044
Moizhes B. Ya. and Suprun S. G., d -ion overlap energy and level splitting in crystals	1052
Eremenko A. V., Pashkevich Yu. G., Sobolev V. L. and Fedorov S. A., One-magnon light scattering in high- T_c La_2CuO_4	1059
Gorodnichev E. E. and Dudarev S. L., Origin of the diffraction anomalies in the energy spectra of secondary electron emission	1068
Kats D. Ya. and Shteinberg A. S., Cluster field model: Analytical possibilities	1076
Krotenko E. B. and Kuzin Yu. A., Structure of the plane domain wall in uniaxial ferromagnet under a complex orthorhombic anisotropy	1085
Strashnikova M. I. and Chernyi V. V., Refractive index dispersion and light exciton damping of $1B$ -resonance in CdS	1090
Tyapunina N. A., Lomakin A. L. and Hristu H., Ultrasound-induced dynamic structures of dislocation dipoles	1097
Malygin G. A., Kinetic mechanism of kink band formation under plastic deformation	1102
Kotov V. V., Pod'yelets Yu. A., Chernetskii V. I. and Golub V. O., On the origin of additional nuclear spin echo signals in magnets	1108
Rakitina L. G., Zaritskii I. M., Corradi G. and Polgar K., ESR line broadening mechanisms of polaron centers in $LiNbO_3:Ti$ under irradiation and heating	1112
Stepanyuk V. S., Kozlov A. V., Farberovich O. V. and Katsnelson A. A., Application of LAPW and MTGF methods to defect electronic structure calculations	1116
Gavrilov V. V., Kulikov V. D. and Chernov S. A., Radiation-induced shaking and macroacoustic waves in alkali halides	1124
Sidorov V. A., Khvostantsev L. G., Tsiok O. B., Stepanov N. N., Golubkov A. V. and Smirnov I. A., Electrical resistivity and thermopower of YbS under hydrostatic pressures of up to 9 GPa	1128
Shamsutdinov M. A., Farztdinov M. M. and Ekomasov E. G., Magnetic field-induced dynamic canting of magnetic sublattices and spin waves in rare-earth orthoferrites with domain structure	1133

Andreev A. V. and Bortashevich M. I., Spontaneous magnetostriction of $Y_2(Fe_{1-x}Co_x)_{14}B$	1140
Anisimov F., Vengalis B., Dagsys R. and Jukna A., Light absorption in Y_2BaCuO_5	1144
Dezhin V. V., Nechaev V. N. and Roshchupkin A. M., Bending vibrations of dislocations in a ferroelectric	1148
Krasin'kova M. V. and Moizhes B. Ya., On copper charge state in $LnBa_2Cu_3O_y$ with oxygen content varied within $6 < y < 7$	1156
Bonda rev V. N., Zhukov V. M. and Belous V. M., Superionic transition in solid electrolytes with minority carriers	1161
Giyazov I. and Akhmadkhodzhaev B., Cyclotron-phonon resonance with inclusion of nonlinear polarization electron-phonon interaction	1168
Garanin D. A., Lutovinov V. S., Luchnikov A. P., Sigov A. S. and Shermukhamedov A. T., Magnetic field effect on the relaxation peak of dielectric losses in polymers	1172
Kozlov A. V. and Selitser S. I., Nonstationary acousto-plastic effect	1177
Kabychenko A. F., Shavrov V. G. and Shevchenko A. L., Orientational phase transitions in easy-plane magnets in an elastic wave field	1182
Roshchupkin A. M., Dynamics of new phase crystal growth in shear transformation	1186
Belinicher V. I., Paulish A. G., Ryzhenkova I. V., Terekhov A. S. and Shevlev S. V., Photoelectron capture by surface defects in photoemission from GaAs into vacuum	1194
Pikus F. G., Samsonidze G. G. and Efros A. L., Maximum low-temperature mobility of two-dimensional electron gas in heterostructures with a thick spacer layer	1201
Man'kov Yu. I., High-frequency electric conductivity of ferromagnetic semiconductor with surface anisotropy	1208
Diikov A. L. and Mashkov V. A., Spectral manifestations of quadratic vibronic interaction on deep defects in glasses	1216

Short Notes

German M. M., Kupersmidt V. Ya., Kurkina L. I. and Farberovich O. V., Variation of the optical characteristics of sodium in transition from small metallic particles to the crystal	1220
Oreshko E. V., Effect of low-intensity laser radiation on the exciton luminescence spectra of CdS	1222
Pogosyan A. S., Aleshko-Ozhevskii O. P., Chukhovskii F. N. and Kalashnikova I. I., X-ray topographic visualization of elastic stress fields created by ultrasound in crystals	1224
Goldenberg S. V. and Khlebnikov O. D., Stress relaxation in filamentary NaCl crystals	1226
Troyanchuk I. O. and Mazovko A. V., Magnetic phase diagram of $Ca(Mn_{3-x}Cu_x)Mn_4O_{12}$ perovskites	1229
Baryakhtar V. G., Sukstanskii A. Ya. and Yablonskii D. A., Effective equations of motion and domain walls in La_2CuO_4	1231
Romanyuk N. A., Gaba V. M. and Stadnik V. I., Optical studies of the low-temperature phase transition in K_2ZnCl_4	1233
Bogdanov A. N., Zhuravlev A. V. and Puzynya A. I., Magnetic susceptibility of $(C_2H_5NH_3)_2CuCl_4$ in the vicinity of the triple point	1236
Gerus A. V. and Petrov S. N., Observation of interimpurity resonance photoelasticity in YAG	1239
Perekalina T. M., Kotyuzhanskii B. Ya., Shapiro A. Ya. and Cherkezyan S. A., Magnetic and elastic properties of $La_{0.9}Sr_{0.1}Mn_{1-x}Ga_xO_{3+y}$ compounds	1242
Kulyabin B. E. and Lobach V. A., Electronic structure of perfect LiF and MgO crystals with correction for self-interaction	1246
Kosobukin V. A., Effect of photon polarization on one-dimensional photon localization in a disordered insulator	1248
Bazhenov A. V. and Timofeev V. B., Effect of oxygen content on electronic transitions in $YBa_2Cu_3O_{6+x}$	1251
Troitskii O. A. and Nikitenko Yu. V., On the electroplastic effect	1253
Sattarov S. A., Yuldashev U. Yu., Reiterov V. M. and Trofimova L. M., Impurity ions Fe^{2+} , Fe^{3+} in MF_2 crystals ($M=Ca, Sr, Ba$)	1256
Syrbu N. N., Neuman H., Peev L. G., Sobota H. and Khachaturova S. B., Effect of nonstoichiometry on lattice dynamics in black modification of zink diphosphide	1260
Kiliptari I. G. and Akhalkatsi A. M., Dipole field calculation for ^{55}Mn nuclei in MnSb	1263
Vorob'yev V. V., Krupotkin M. Ya. and Finkel V. A., Domain structure of single crystal Tb	1265
Guseinov N. M., Hot phonon spot formation a film	1268
Kotova E. E. and Chetverikov V. M., Skew domain wall saturation rate in Slonchevsky's model	1269
Corrigendum: A. V. Kobelev, Ya. G. Smorodinskii «Mode Coupling Effects in the Angular Dependence of FMR Fields in Double-Layer Magnetically Coupled Film with Perpendicular Anisotropy».	1273