

К 70-летию со дня рождения В.М. Локтева

Под редакцией Е.В. Гомонай

Содержание

Вступление	415
<i>Kordyuk A.A.</i> Pseudogap from ARPES experiment: three gaps in cuprates and topological superconductivity (Review Article)	417
<i>Gusynin V.P., Sharapov S.G., and Varlamov A.A.</i> Spin Nernst effect and intrinsic magnetization in two-dimensional Dirac materials	445
<i>Prokopenko O.V. and Slavin A.N.</i> Microwave detectors based on the spin-torque diode effect	457
<i>Pylypovskyi O.V., Sheka D.D., Kravchuk V.P., and Gaididei Y.</i> Vortex polarity switching in magnets with surface anisotropy	466
<i>Grigorishin K.V. and Lev B.I.</i> Toy model of superconductivity	482
<i>Барьяхтар В.Г., Данилевич А.Г.</i> Эффект Хиггса и магнитоупругая щель в ферромагнетиках	486
<i>Галкина Е.Г., Иванов Б.А., Космачев О.А., Фридман Ю.А.</i> Двумерные солитоны в нематической фазе магнетиков с изотропным обменным взаимодействием	490
<i>Skrypnik Yu.V.</i> Electronic spectrum of atomic chain with Fano-Anderson impurities	501
<i>Abdelsalam H., Espinosa-Ortega T., and Luk'yanchuk I.</i> Electronic and magnetic properties of graphite quantum dots	508
<i>Moskalenko V.A., Dohotaru L.A., and Digor D.F.</i> The theory of nonequilibrium Anderson impurity model for strongly correlated electron systems	514
<i>Miransky V.A.</i> Conformal phase transition: QCD like theories with a large number of fermion flavors and all that ..	520

To the 70th birthday of V.M. Loktev

Guest Editor O.V. Gomonay

Contents

Preface	415
<i>Kordyuk A.A.</i> Pseudogap from ARPES experiment: three gaps in cuprates and topological superconductivity (Review Article)	417
<i>Gusynin V.P., Sharapov S.G., and Varlamov A.A.</i> Spin Nernst effect and intrinsic magnetization in two-dimensional Dirac materials	445
<i>Prokopenko O.V. and Slavin A.N.</i> Microwave detectors based on the spin-torque diode effect.....	457
<i>Pylypovskiy O.V., Sheka D.D., Kravchuk V.P., and Gaididei Y.</i> Vortex polarity switching in magnets with surface anisotropy	466
<i>Grigorishin K.V. and Lev B.I.</i> Toy model of superconductivity	482
<i>Baryakhtar V.G. and Danilevich A.G.</i> Higgs effect and magnetoelastic gap in ferromagnets	486
<i>Galkina E.G., Ivanov B.A., Kosmachev O.A., and Fridman Yu.A.</i> Two-dimensional solitons in spin nematic states for magnets with isotropic exchange interaction	490
<i>Skrypnyk Yu.V.</i> Electronic spectrum of atomic chain with Fano-Anderson impurities	501
<i>Abdelsalam H., Espinosa-Ortega T., and Luk'yanchuk I.</i> Electronic and magnetic properties of graphite quantum dots	508
<i>Moskalenko V.A., Dohotaru L.A., and Digor D.F.</i> The theory of nonequilibrium Anderson impurity model for strongly correlated electron systems	514
<i>Miransky V.A.</i> Conformal phase transition: QCD like theories with a large number of fermion flavors and all that ..	520