

## Содержание

*Золочевский И.В.* Резистивные состояния широких сверхпроводящих пленок, обусловленные постоянным и переменным токами (Обзор) ..... 1111

### III Международный семинар по микроконтактной спектроскопии Харьков, Украина, 8–11 сентября 2014 г.

Вступление ..... 1144

*Krivoruchko V.N., D'yachenko A.I., and Tarenkov V.Yu.* Andreev-spectroscopy study of unconventional superconductivity in  $\text{MgB}_2:(\text{La,Sr})\text{MnO}_3$  nanocomposite ..... 1147

*Gloos K. and Tuuli E.* Mechanisms of normal reflection at metal interfaces studied by Andreev-reflection spectroscopy..... 1155

*Kulinich S.I., Gorelik L.Y., Parafilo A.V., Shekhter R.I., Park Y.W., and Jonson M.* Nanomechanics of a magnetic shuttle device ..... 1161

*Balkashin O.P., Fisun V.V., Triputen L.Yu., Andersson S., Korenivski V., and Naidyuk Yu.G.* Spin-valve effects in point contacts to exchange biased  $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}$  films ..... 1170

*Fisun V.V., Balkashin O.P., Kvitnitskaya O.E., Korovkin I.A., Gamayunova N.V., Aswartham S., Wurmehl S., and Naidyuk Yu.G.* Josephson effect and Andreev reflection in  $\text{Ba}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$  ( $x = 0.25$  and  $0.35$ ) point contacts ..... 1175

*Ekino Toshikazu, Sugimoto Akira, Sakai Yuta, Gabovich Alexander M., and Akimitsu Jun* Tunneling spectra of break junctions involving  $\text{Nb}_3\text{Sn}$  ..... 1182

*Балкашин О.П., Фисун В.В., Коровкин И.А., Korenivski V.* Ферромагнитный резонанс в микроконтактах медь–пермаллой ..... 1187

*Камарчук Г.В., Поспелов А.П., Савицкий А.В., Коваль Л.В.* Нелинейные циклические транспортные явления в медных точечных контактах ..... 1198

*Yerin Y.S. and Omelyanchouk A.N.* Frustration phenomena in Josephson point contacts between single-band and three-band superconductors ..... 1206

## Contents

*Zolochevskii I.V.* The resistive states of wide superconducting films caused by dc and ac currents (Review Article) 1111

### **III International Workshop Point-Contact Spectroscopy (PCS-2014) Kharkiv, Ukraine, 8–11 September, 2014**

Preface ..... 1144

*Krivoruchko V.N., D'yachenko A.I., and Tarenkov V.Yu.* Andreev-spectroscopy study of unconventional superconductivity in  $\text{MgB}_2:(\text{La,Sr})\text{MnO}_3$  nanocomposite ..... 1147

*Gloos K. and Tuuli E.* Mechanisms of normal reflection at metal interfaces studied by Andreev-reflection spectroscopy..... 1155

*Kulinich S.I., Gorelik L.Y., Parafilo A.V., Shekhter R.I., Park Y.W., and Jonson M.* Nanomechanics of a magnetic shuttle device ..... 1161

*Balkashin O.P., Fisun V.V., Triputen L.Yu., Andersson S., Korenivski V., and Naidyuk Yu.G.* Spin-valve effects in point contacts to exchange biased  $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}$  films ..... 1170

*Fisun V.V., Balkashin O.P., Kvitnitskaya O.E., Korovkin I.A., Gamayunova N.V., Aswartham S., Wurmehl S., and Naidyuk Yu.G.* Josephson effect and Andreev reflection in  $\text{Ba}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$  ( $x = 0.25$  and  $0.35$ ) point contacts 1175

*Ekino Toshikazu, Sugimoto Akira, Sakai Yuta, Gabovich Alexander M., and Akimitsu Jun* Tunneling spectra of break junctions involving  $\text{Nb}_3\text{Sn}$  ..... 1182

*Balkashin O.P., Fisun V.V., Korovkin I.A., and Korenivski V.* Ferromagnetic resonance in copper-permalloy point contacts ..... 1187

*Kamarchuk G.V., Pospelov A.P., Savitsky A.V., and Koval' L.V.* Nonlinear cyclic transport phenomena in copper point contacts ..... 1198

*Yerin Y.S. and Omelyanchouk A.N.* Frustration phenomena in Josephson point contacts between single-band and three-band superconductors ..... 1206