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Eugene V. Bezuglyi, Doctor of Sciences Curriculum Vitae

Background

Born 03 May 1947 in Kharkov, Ukraine; citizen of Ukraine; married, two sons

Professional preparation

Master Degree: Jun 1970 State University of Kharkov, Ukraine. Theoretical Physics. With Honor.

Doctoral Degree: Mar 1976 ILTPE, Kharkov, Ukraine, Theoretical Physics.
Thesis: *Problems of Electron Theory of Layered Superconducting Systems*

Habilitation Degree: Aug 1991 High Attestation Committee, Moscow. Solid State Physics.
Thesis: *Energy Spectra and Interaction of Waves and Quasiparticles in Superconductors..*

Academic title: 1983 High Attestation Committee, Moscow, Senior research fellow

Research Experience

May 2016 – April 2019 **Affiliated professor**
Chalmers University of Technology, Goteborg, Sweden

*Three visits through
Sep 2001 – Oct 2003* **Invited researcher**
Argonne National Laboratory, Downers Grove, United States

Jun 1999 – Aug 1999 **Invited Professor**
NTT Basic Research Laboratory, Atsugi-shi, Japan

*Multiple visits through
Jan 1996 – Oct 2006* **Invited researcher**
Chalmers University of Technology, Goteborg, Sweden

Apr 1993 - to the present **Leading researcher**
ILTPE, Kharkiv, Ukraine

July 1983 - Apr 1993 **Senior researcher**
ILTPE, Kharkiv, Ukraine

Aug 1970 - June 1983 **Junior researcher**
ILTPE, Kharkiv, Ukraine

Supervised PhD students

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| E.Yu.Deyneka | <i>Electron sound in metals</i> , ILTPE, Kharkiv, Ukraine |
| A.M.Stepanenko | <i>Acoustic effects in superconductors</i> ILTPE, Kharkiv, Ukraine |
| E.N.Bratus' (co-supervised) | <i>Resistive states in superconducting channels</i> , ILTPE, Kharkiv, Ukraine |
| A.Yu.Azovskii (co-supervised) | <i>Nonlinear electromagnetic absorption in superconductors</i> ,ILTPE, Kharkiv, Ukraine |
| A.S.Vasenko (co-supervised) | <i>Multiple Andreev reflections in diffusive Josephson junctions</i> , CTH, Goteborg, Sweden |

Awards & Grants

Dec 2000 National Prize in Science and Technology of Ukraine

Principal Investigator and Team leader for several funded National, INTAS and Soros research grants

Statistics

Publications 92

Citations > 700

h-index 14

Interests & Activities

Interests Nonequilibrium superconductivity.

Collective modes in normal metals and superconductors.

Andreev physics in ballistic and diffusive Josephson junctions

Current noise and counting statistics

Coexistence of magnetism and superconductivity in novel materials

Main scientific results Kinetic theory of the intermediate state of the type-I superconductors

Prediction and investigation of different types of collective modes in metals

Theory of multiple Andreev reflections in mesoscopic superconducting contacts,

prediction of giant shot noise and spin-orbital effects in SNS contacts

Theory of the resistive state of the superconducting channels and films

Prediction of new optical effects in ultrathin metal films

Scientific Memberships Member of the Scientific councils in Theoretical Physics and Normal and superconducting metals of ILTPE.

Member of Ukrainian Physical Society

Committee member on several PhD defenses in Ukraine and Sweden

Referee for Low Temperature Physics, PRL, PRB.

Publication Highlights

- E. V. Bezuglyi, E. N. Bratus, V. S. Shumeiko, G. Wendin: *Multiple Andreev Reflections and Enhanced Shot Noise in Diffusive Superconducting-Normal-Superconductor Junctions*. Physical Review Letters 1999; 83(10):2050.
- E. V. Bezuglyi, A. S. Rozhavsky, I. D. Vagner, P Wyder: *Combined effect of Zeeman splitting and spin-orbit interaction on the Josephson current in a superconductor–two-dimensional electron gas–superconductor structure*. Physical Review B 2002; 66(5):052508.
- B Ludoph, N Van Der Post, E. N. Bratus', E. V. Bezuglyi, V. S. Shumeiko, G Wendin, J. M. van Ruitenbeek: *Multiple Andreev reflection in single-atom niobium junctions*. Physical Review B 2000; 61(12):8561.
- E. V. Bezuglyi, E. N. Bratus', V. S. Shumeiko, G Wendin, H Takayanagi: *Circuit theory of multiple Andreev reflections in diffusive SNS junctions: The incoherent case*. Physical Review B 2000; 62(21):14439.
- I. S. Spevak, A. Yu. Nikitin, E. V. Bezuglyi, Alex Levchenko, A. V. Kats: *Resonantly suppressed transmission and anomalously enhanced light absorption in periodically modulated ultrathin metal films*. Physical Review B 2009; 79(16):161406.

Book Chapters

- E V Bezuglyi, E N Bratus, V S Shumeiko, V Vinokur: *Phase dependent current statistics in short-arm Andreev interferometer*. Theory of Quantum Transport in Metallic and Hybrid Nanostructures edited by A.Glatz et al., 2006; Springer.
- E V Bezuglyi, E N Bratus, and V S Shumeiko, G Wendin: *Current noise in diffusive SNS junctions in the incoherent MAR regime*. Quantum Noise in Mesoscopic Physics edited by Yu.V.Nazarov, 2003; Kluwer Academic Publisher.

Journal Publications

- A V Terekhov, I V Zolocheskii, E V Khristenko, L A Ishchenko, E V Bezuglyi, A Zaleski, E P Khlybov, S A Lachenkov: *Anisotropy of electric resistance and upper critical field in magnetic superconductor Dy 0.6 Y 0.4 Rh 3.85 Ru 0.15 B 4*, Physica C Superconductivity 2016; 524:1-4.
- E. V. Bezuglyi: *Current states in superconducting films: Numerical results*. Low Temperature Physics 2015; 41(8):602.
- A. V. Terekhov, I. V. Zolocheskii, E. V. Khristenko, L. A. Ishchenko, E. V. Bezuglyi, A. Zaleski, E. P. Khlybov, S. A. Lachenkov: *Suppression of superconductivity of Dy_{0.6}Y_{0.4}Rh_{3.85}Ru_{0.15}B₄ in inclined magnetic fields*. Low Temperature Physics 2015; 41(4):270-272.
- E.V. Bezuglyi, E.N. Bratus', V.S. Shumeiko: *Current-voltage characteristics of asymmetric double-barrier Josephson junctions*. Physica C Superconductivity 2014; 499:15-23.
- Yu A Avramenko, E V Bezuglyi, N G Burma, V D Fil: *Electric potential of the electron sound wave: Sharp disappearance in the superconducting state*. Physical Review B 2011; 84(21):214504.
- E V Bezuglyi, E N Bratus, V S Shumeiko: *Dissipative charge transport in diffusive superconducting double-barrier junctions*. Physical Review B 2011; 83(18):184517.

- E V Bezuglyi, I V Zolocheskii: *Phase diagram of a current-carrying superconducting film in absence of the magnetic field*. Low Temperature Physics 2010; 36(10/11):1248-1252.
- A S Vasenko, E V Bezuglyi, Hervé Courtois, F W J Hekking: *Electron cooling by diffusive normal metal–superconductor tunnel junctions*. Physical Review B 2010; 81(9):094513.
- Yu A Avramenko, E V Bezuglyi, N G Burma, V D Fil: *Electron sound in metals*. Low Temperature Physics 2009; 35(8/9):724.
- I. S. Spevak, A. Yu. Nikitin, E. V. Bezuglyi, Alex Levchenko, A. V. Kats: *Resonantly suppressed transmission and anomalously enhanced light absorption in periodically modulated ultrathin metal films*. Physical Review B 2009; 2009(79):161406.
- V M Dmitriev, I V Zolocheskii, E V Bezuglyi: *Advances in the criteria for dividing thin superconducting films into narrow and wide films*. Low Temperature Physics 2008; 34(12):982.
- V M Dmitriev, I V Zolocheskii, E V Bezuglyi, D S Kondrashev: *Phase-Slip Processes in Superconducting Films: AC Josephson Effect and New Phase Transition*. Acta Physica Polonica Series a 2008; 114(1):257.
- V M Dmitriev, I V Zolocheskii, E V Bezuglyi, D S Kondrashev: *AC Josephson properties of phase slip lines in wide tin films*. Superconductor Science and Technology 2007; 20(8):891-894.
- E V Bezuglyi, A S Vasenko, E N Bratus, V S Shumeiko, G Wendin: *Multiparticle tunnelling in diffusive superconducting junctions*. Superconductor Science and Technology 2007; 20(6):529-541.
- V M Dmitriev, I V Zolocheshii, E V Bezuglyi: *Temperature dependences of microwave-enhanced critical current in wide tin films*. Low Temperature Physics 2007; 33(4):300.
- V M Dmitriev, I V Zolocheskii, E V Bezuglyi: *Enhancement of critical current by microwave irradiation in wide superconducting films*. Superconductor Science and Technology 2006; 19(9):883-889.
- E. V. Bezuglyi, A. S. Vasenko, E. N. Bratus, V. S. Shumeiko, G Wendin: *Subgap current in superconducting tunnel junctions with diffusive electrodes*. Physical Review B 2006; 73(22):220506.
- E. V. Bezuglyi, A. S. Vasenko, V. S. Shumeiko, G Wendin: *Nonequilibrium effects in tunnel Josephson junctions*. Physical Review B 2005; 72(1):014501.
- P Samuelsson, Å Ingerman, G Johansson, E. V. Bezuglyi, V. S. Shumeiko, G Wendin, R Kürsten, A Richter, T Matsuyama, U Merkt: *Coherent current transport in wide ballistic Josephson junctions*. Physical Review B 2004; 70(21):212505.
- M H S Amin, E V Bezuglyi, A S Kijko, A N Omelyanchouk: *Wigner distribution function formalism for superconductors and collisionless dynamics of the superconducting order parameter*. Low Temperature Physics 2004; 30(7/8):874.
- E. V. Bezuglyi, E. N. Bratus', V. S. Shumeiko, V Vinokur: *Phase-dependent counting statistics in a short-arm Andreev interferometer*. Physical Review B 2004; 70(6):064507.
- Yu A Avramenko, E V Bezuglyi, N G Burma, V M Gokhfeld, I G Kolobov, V D Fil, O A Shevchenko: *Electric field accompanying a longitudinal wave in pure metal*. Materials Science and Engineering A 2004; 370(1-2):373-375.
- Eugene V. Bezuglyi, E. N. Bratus, Vitaly S. Shumeiko, Goran P. Wendin: *Enhanced current shot noise in superconducting junctions*. Proceedings of SPIE - The International Society for Optical Engineering; 2003

- E. V. Bezuglyi, V. S. Shumeiko, G Wendin: *Nonequilibrium Josephson effect in short-arm diffusive SNS interferometers*. Physical Review B 2003; 68(13):134506.
- E V Bezuglyi, V Vinokur: *Heat Transport in Proximity Structures*. Physical Review Letters 2003; 91(13):137002.
- E. V. Bezuglyi, A. S. Rozhavsky, I. D. Vagner, P Wyder: *Combined effect of Zeeman splitting and spin-orbit interaction on the Josephson current in a superconductor–two-dimensional electron gas–superconductor structure*. Physical Review B 2002; 66(5):052508.
- Yu A Avramenko, E V Bezuglyi, N G Burma, I G Kolobov, V D Fil, O A Shevchenko, V M Gokhfeld: *Characteristics of the electric field accompanying a longitudinal acoustic wave in a metal. Anomaly in the superconducting phase*. Low Temperature Physics 2002; 28(5):469.
- E. V. Bezuglyi, E. N. Bratus', V. S. Shumeiko, G Wendin: *Current noise in long diffusive SNS junctions in the incoherent multiple Andreev reflections regime*. Physical Review B 2001; 63(10):100501.
- E. V. Bezuglyi, E. N. Bratus', V. S. Shumeiko, G Wendin, H Takayanagi: *Circuit theory of multiple Andreev reflections in diffusive SNS junctions: The incoherent case*. Physical Review B 2000; 62(21):14439.
- E. V. Bezuglyi, AL Gaiduk, V. D. Fil, S. Zherlitsyn, W. L. Johnson, G. Bruls, B. Lüthi, B. Wolf: *Electron renormalization of sound interaction with two-level systems in superconducting metallic glasses*. Physical Review B 2000; 62(10):6656.
- B Ludoph, N Van Der Post, E. N. Bratus', E. V. Bezuglyi, V. S. Shumeiko, G Wendin, J. M. van Ruitenbeek: *Multiple Andreev reflection in single-atom niobium junctions*. Physical Review B 2000; 61(12):8561.
- E V Bezuglyi, A L Gaiduk, V D Fil, E V Bezugly, W L Johnson, G Bruls, B Lü, B Wolf, S V Zherlitsyn: *Sound attenuation in the superconducting amorphous alloy ZrTiCuNiBe*. Low Temperature Physics 1999; 25(12):999.
- E. V. Bezuglyi, E. N. Bratus, V. S. Shumeiko, G. Wendin: *Multiple Andreev Reflections and Enhanced Shot Noise in Diffusive Superconducting-Normal-Superconductor Junctions*. Physical Review Letters 1999; 83(10):2050-2053.
- E. V. Bezuglyi, E. N. Bratus, V. P. Galaiko: *On the theory of Josephson effect in a diffusive tunnel junction*. Low Temperature Physics 1999; 25(3).
- E. V. Bezuglyi, N. G. Burma, A. L. Gaiduk, I. G. Kolobov, V. D. Fil', V. V. Khotkevich, H. van Kempen: *Electron sound in aluminum. Electron–electron scattering*. Low Temperature Physics 1998; 24(3).
- A. L. Gaiduk, E. V. Bezuglyi, V. D. Fil, W. L. Johnson: *Low-temperature acoustic characteristics of the amorphous alloy Zr_{41.2}Ti_{13.8}Cu_{12.5}Ni₁₀Be_{22.5}*. Low Temperature Physics 1997; 23(10):857.
- E. V. Bezuglyi, A. V. Boichuk: *QuasIWaves in superconductor*. Low Temperature Physics 1997; 23(7):676.
- E N Bratus, V S Shumeiko, E V Bezuglyi, G Wendin: *Dc-current transport and ac Josephson effect in quantum junctions at low voltage*. Physical Review B 1997; 55(18):12666.
- E. N. Bratus, V. S. Shumeiko, E. V. Bezuglyi, G. Wendin: *Erratum: Current-voltage characteristics of quantum tunnel junctions at low voltages*. Low Temperature Physics 1996; 22(11):1364.
- E. N. Bratus, V. S. Shumeiko, E. V. Bezuglyi, G. Wendin: *Current-voltage characteristics of quantum tunnel junctions at small biases*. Low Temperature Physics 1996; 22(6):474.
- V. D. Fil, E. V. Bezuglyi, N. G. Burma, AL Gaiduk, I. G. Kolobov, H. van Kempen, E. Yu. Deyneka: *Electron sound in Al*. Czechoslovak Journal of Physics; 04/1996

- E. V. Bezuglyi, A.V.Boichuk: *Ballistic transport of a high-frequency signal in a superconductor*. Low Temperature Physics 1996; 22(6):542.
- E. V. Bezuglyi, N. G. Burma, I. G. Kolobov, V. D. Fil, I. M. Vitebskii, A. N. Knigavko, N. M. Lavrinenko, S. N. Barilo, D. I. Zhigunov, L. E. Soshnikov: *Erratum: Elastic moduli of $La_{2-x}Sr_xCuO_4$ single crystals. Anisotropy in the a - b plane*. Low Temperature Physics 1995; 21(5):452.
- E. V. Bezuglyi, A. V. Boichuk, N. G. Burma, V. D. Fil: *Zero sound and the quasiwave: separation in a magnetic field*. Low Temperature Physics 1995; 21:493-504.
- Bezugly E. V, Burma N. G, Kolobov I. G, Fil V. D, Vitebsky I. M, Knigavko A. N, Lavrinenko N. M, Barilo S. N, Zhigunov D. I, Soshnikov L. E: *Elastic moduli of $La_{2-x}Sr_xCuO_4$ single crystals. Anisotropy in the ab -plane*. Low Temperature Physics 1995; 21(1):65.
- Peschansky V. G, Strzhemechny M. A, Bezuglyi E.V: *30th Conference on Low Temperature Physics (LT-30) (September 6-8, 1994, Dubna, Russia)*. Low Temperature Physics 1995; 21(3):347.
- L. E. Soshnikov, D. I. Zhigunov, S. N. Barilo, N. M. Lavrinenko, A. N. Knigavko, I. M. Vitebsky, V. D. Fil, E. V. Bezugly, N. G. Burma, I. G. Kolobov: *Giant anisotropy of elastic moduli of La_2CuO_4 single crystals in (001) plane*. Physica C Superconductivity 1994; 235:1215-1216.
- Bezuglyi E. V, Burma N. G, Deineka E. Yu, Stepanenko A. M, Fil V. D: *Alfven waves in gallium*. Low Temperature Physics 1994; 20(9):752.
- Bezuglyi E. V, Bratus E.N: *Nonlinear properties and critical parameters of superconducting films in the regime with a given high-frequency voltage*. Low Temperature Physics 1994; 20(6):403.
- E V Bezuglyi, N G Burma, E Yu, Deyneka, A I Kopeliovich, V D Fil: *Investigation of Low-Temperature Electron Relaxation by Zero Sound Attenuation*. Journal of Low Temperature Physics 1993; 91(3/4):179.
- Bezuglyi E. V, Burma N.G, Deyneka E. Yu, Fil' V. D: *Zero sound velocity in gallium*. Low Temperature Physics 1993; 19(6):477.
- Bezuglyi E. V, Burma N. G, Deineka E. Yu, Fil' V.D: *Magnetoplasma waves in gallium. Fast magnetoacoustic wave*. Low Temperature Physics 1993; 19(3):211.
- A.G.Anders, E.V.Bezuglyi, N.E.Dyumin, V.G.Peschanskii, S.S.Sokolov, G.E.Churilov: *29th Conference on low temperature physics*. Low Temperature Physics 1992; 18(10):1171.
- Evgeny V Bezuglyi, Nikolai G Burma, V.D.Fil, E.Yu.Deyneka: *Zero sound in metals*. Physica B Condensed Matter 1991; 173(4):405-407.
- Evgeny V Bezuglyi: *Theory of zero sound in normal and superconducting metals*. Physica B Condensed Matter 1991; 173(4):401-404.
- E V Bezuglyi, N G Burma, E Yu Deineka, V D Fil, H -J Kaufmann: *Zero sound in normal and superconducting molybdenum*. Journal of Physics Condensed Matter 1991; 3(40):7867-7876.
- E. V. Bezuglyi, N.G.Burma, E.Yu.Deyneka, V.D.Fil: *Zero sound in superconductors*. Superconductivity: Physics, Chemistry, Technology 1991; 4(4); 661.
- E. V. Bezuglyi, V. P. Galaiko, V. S. Shumeiko: *Helical electromagnetic solitons in metals*. Physical Review B 1990; 42(6):3729.

- E V Bezuglyi, A A Slutskin, V S Shumeiko: *Acoustic self-induced transparency of a metal in a quantized magnetic field*. Journal of Experimental and Theoretical Physics 1990; 97(4):1326-1334.
- V. P. Galaiko, A. Yu. Azovskii, E. V. Bezuglyi, E. N. Bratus', V. S. Shumeiko: *Theory of a dirty two-band high-Tc superconductor*. Low Temperature Physics 1990; 16(5):569.
- E. V. Bezuglyi, N. G. Burma, E. Yu. Deineka, V. D. Fil': *Electronic sound in metal at magnetic field*. Low Temperature Physics 1989; 15(11):1226.
- V. P. Galaiko, E. V. Bezuglyi, E. N. Bratus', V. S. Shumeiko: *Relaxation processes and kinetic phenomena in narrow-band superconductors*. Low Temperature Physics 1988; 14(4):242.
- E.V. Bezuglyi, V.M. Dmitriev, V.N. Svetlov, G.E. Churilov, A.Yu. Azovskii: *Critical parameters and nonlinear dissipative properties of superconducting films in a strong high-frequency field*. Low Temperature Physics 1987; 13(9):517.
- E. V. Bezuglyi, V. M. Dmitriev, D. A. Dikin, L. A. Kotok, V. P. Seminozhenko, V. N. Svetlov, G. E. Churilov: *Kinetic properties of high-temperature superconductors*. Low Temperature Physics 1987; 13(8):858.
- E.V. Bezuglyi, A.M. Stepanenko, V.D. Fil': *Interaction of an acoustic wave with electrons on a flat spot of the Fermi surface. II. Excitation of a beam electromagnetic wave in superconductor*. Low Temperature Physics 1987; 13(7):408.
- E.V. Bezuglyi, A.M. Stepanenko, V.D. Fil': *Interaction of an acoustic wave with electrons on a flat spot of the Fermi surface. I. Normal metals*. Low Temperature Physics 1987; 13(3):140.
- V.P. Galaiko, E.V. Bezuglyi, V.S. Shumeiko: *Thermodynamic properties of two-band superconductors with a narrow band close to Fermi level*. Low Temperature Physics 1987; 13(12):1301.
- A.Yu. Azovskii, E.V. Bezuglyi: *Nonequilibrium dynamic quasiparticle distributions in superconducting films in a strong high-frequency field*. Low Temperature Physics 1986; 12(10):576.
- E.V. Bezuglyi, A.Yu. Azovskii: *Dynamic nonequilibrium distributions and nonlinear electromagnetic absorption in superconducting films at low temperatures*. Low Temperature Physics 1985; 11(12):691.
- A.Yu. Azovskii, E.V. Bezuglyi, V.P. Galaiko: *Nonlinear absorption of electromagnetic waves in superconducting alloys at low temperatures*. Low Temperature Physics 1984; 10(7):818.
- E. V. Bezuglyi: *Anomalous skin effect and weakly damped waves in metals with local flat spots on the Fermi surface*. Low Temperature Physics 1983; 9(5):277.
- E.V. Bezuglyi: *Equations of elasticity and the characteristics of absorption and dispersion of sound in anisotropic superconductors*. Low Temperature Physics 1983; 9(1):15.
- E.V. Bezuglyi, V.I. Denisenko, A.M. Stepanenko, V.D. Fil': *Deviations from the BCS expression for the acoustic attenuation in an anisotropic superconductor*. Low Temperature Physics 1983; 9(1):93.
- E V Bezuglyi, E N Bratus, V P Galaiko: *Dielectric Response Functions in the Problem of Longitudinal Collective Mode Excitation in Superconductors*. Journal of Low Temperature Physics 1982; 47(5/6):511.
- E. V. Bezuglyi, S.A. Korzh: *Electrical conductivity and lateral focusing under charge carrier reflection from normal metal - superconductor boundaries*. Low Temperature Physics 1982; 8(4):208.
- E.V. Bezuglyi, E.N. Bratus: *Dielectric response functions and spectrum of collective oscillations in bounded superconductors*. Low Temperature Physics 1981; 7(9):535.

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- E. V. Bezuglyi, E. N. Bratus: *Theory of resonance excitation of collective oscillations in a superconductor by a high-frequency field*. Low Temperature Physics 1980; 6(12):767.
- E.V. Bezuglyi: *Electromagnetic excitation of weakly damped collective oscillations in superconductors*. Low Temperature Physics 1980; 6(3):149.
- E. V. Bezuglyi: *Kinetic properties of corrugated and thread-like intermediate state structures*. Low Temperature Physics 1980; 6(2):148.
- E.V. Bezuglyi: *Magnetoacoustic size effects in the intermediate state of superconductors*. Low Temperature Physics 1979; 5(8):405.
- E.V. Bezuglyi: *Acoustic size effect and sound-attenuation anisotropy in layered metallic structures*. Low Temperature Physics 1979; 5(1):18.
- E.V. Bezuglyi: *Effect of Fermi surface form and topology on thermal conductivity of the intermediate state of superconductors*. Low Temperature Physics 1978; 4(4):215.
- E.V. Bezuglyi: *Giant oscillations of thermal conductivity of the intermediate state of a superconductor*. JETP Letters 1978; 27(3):140.
- E. V. Bezuglyi, E. N. Bratus, V. P. Galaiko: *Voltage jumps in the current-voltage characteristics of superconductive channels*. Low Temperature Physics 1977; 3(8):491.
- E.V. Bezuglyi: *Effect of superconducting coating on the heat conductivity of a normal metal*. Low Temperature Physics 1976; 2(5):571.
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- V P Galaiko, E V Bezuglyi: *Influence of proximity effect on the thermodynamic and magnetic properties of multilayer superconductors*. Journal of Experimental and Theoretical Physics 1973; 38(5):1013.
- V.P.Galaiko, E.V.Bezuglyi: *Thermal conductivity of the intermediate state of superconductors*. Journal of Experimental and Theoretical Physics 1973; 36(2):377.
- V P Galaiko, E V Bezuglyi: *Magnetic quantization and absorption of ultrasound in superconductors in the intermediate state*. Journal of Experimental and Theoretical Physics 1971; 33(4):796.