

Максимов Игорь Лаврентьевич

Ушел из жизни доцент Кафедры теоретической физики Нижегородского государственного университета им. Н.И. Лобачевского **Игорь Лаврентьевич Максимов**.

Кандидат физико-математических наук, защитил диссертацию по теме «Термомагнитомеханическая неустойчивость критического состояния в сверхпроводниках II рода».

Список основных публикаций:

1. **TELEZHNIKOV, AV; MAKSIMOV, IL.**
THERMAL DISLOCATION DEPINNING IN A DEFORMED CRYSTAL
PHYSICS LETTERS A 372(3), 288-291 (2008)
2. **MAKSIMOV, IL; GUBANOV, PY.**
KINETICS OF OSTWALD RIPENING IN THE PRESENCE OF MONOMER
DIFFUSION ALONG GRAIN BOUNDARIES
PHILOSOPHICAL MAGAZINE LETTERS 88(2), 115-123 (2008)
3. **GUBANOV, PY; MAKSIMOV, IL.**
COALESCENCE KINETICS UNDER THE ACTION OF ALTERNATIVE GRAIN
GROWTH MECHANISMS
CRYSTALLOGRAPHY REPORTS 53(1), 134-142 (2008)
4. **ZASKAL'KO, VV; MAKSIMOV, IL; VODOLAZOV, DY.**
MAGNETORESISTANCE SIGN CHANGE IN SUPERCONDUCTING FILMS: THE
ROLE OF AN EDGE BARRIER
LOW TEMPERATURE PHYSICS 33(10), 821-825 (2007)
5. **AINBINDER, RM; MAKSIMOV, IL.**
CRITICAL STATE IN LOW-DIMENSIONAL SUPERCONDUCTORS WITH AN EDGE
BARRIER
LOW TEMPERATURE PHYSICS 33(8), 651-658 (2007)
6. **GUBANOV, PY; MAKSIMOV, IL; MOROZOV, VP.**
KINETICS OF OSTWALD RIPENING: CROSSOVER FROM WAGNER'S MODE TO
THE LIFSHITZ-SLEZOV MODE
MODERN PHYSICS LETTERS B 21(15), 941-953 (2007)
7. **AINBINDER, RM; MAKSIMOV, IL.**
CRITICAL CURRENT OF A MAGNETIC SUPERCONDUCTING
HETEROSTRUCTURE: DIODE EFFECT
SUPERCONDUCTOR SCIENCE & TECHNOLOGY 20(5), 441-443 (2007)
8. **MAKSIMOV, IL; VODOLAZOV, DY; ZASKAL'KO, VV.**
MAGNETORESISTANCE SIGN CHANGE IN SUPERCONDUCTING FILMS WITH
GEOMETRICAL EDGE BARRIER
PHYSICS LETTERS A 361(3), 257-260 (2007)
9. **MAKSIMOV, IL; AINBINDER, RM; VODOLAZOV, DY.**
ANOMALOUS PEAK-EFFECT IN TYPE-II SUPERCONDUCTORS: A COMPETITION
BETWEEN BULK PINNING AND A SURFACE BARRIER
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS 451(2), 127-133
(2007)
10. **MAKSIMOVA, GM; AINBINDER, RM; MAKSIMOV, IL.**
VORTEX-ANTIVORTEX CONFIGURATIONS IN A SUPERCONDUCTING FILM DUE
TO A FERROMAGNETIC STRIP: EDGE BARRIER VERSUS ANNIHILATION
BARRIER
PHYSICAL REVIEW B 73(21), - (2006)
11. **GUBANOV, PY; MAKSIMOV, IL; MOROZOV, VP.**
INTERMEDIATE ASYMPTOTIC REGIME OF COALESCENCE IN A
HOMOGENEOUS SUPERSATURATED SOLUTION AND CHANGE IN KINETIC

INDEXES

- CRYSTALLOGRAPHY REPORTS 51(3), 513-518 (2006)
12. **GUBANOV, PY; ZHELTOV, YV; MAKSIMOV, IL; MOROZOV, VP.**
KINETIC CROSSOVER OF COALESCENCE CONDITIONS IN A SUPERSATURATED
HOMOGENEOUS SOLUTION
TECHNICAL PHYSICS 50(3), 364-366 (2005)
 13. **BALYKOV, LN; KITAMURA, M; MAKSIMOV, IL.**
EFFECT OF KINK CONTAMINATION ON HABIT OF TWO-DIMENSIONAL
CRYSTAL DURING GROWTH WITH EDGE DIFFUSION
JOURNAL OF CRYSTAL GROWTH 275(3-4), 617-623 (2005)
 14. **AINBINDER, RM; VODOLAZOV, DY; MAKSIMOV, IL.**
LOW-FIELD PEAK EFFECT IN TYPE II SUPERCONDUCTORS
TECHNICAL PHYSICS 50(7), 954-956 (2005)
 15. **BALYKOV, LN; KITAMURA, M; MAKSIMOV, IL.**
MEAN-FIELD THEORY OF HABIT CHANGE PHENOMENON DURING CRYSTAL
GROWTH
PHYSICAL REVIEW B 69(12), - (2004)
 16. **MAKSIMOVA, GM; ZHELEZINA, NV; MAKSIMOV, IL.**
EDGE BARRIER AND TOPOLOGY EFFECTS ON MAGNETIZATION AND
HYSTERESIS PROPERTIES OF SUPERCONDUCTING STRIPLINE
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS 402(1-2), 53-60
(2004)
 17. **ELISTRATOV, AA; BOBRIKOV, OA; MAKSIMOV, IL.**
GEOMETRICAL BARRIER IN A SUPERCONDUCTING STRIP: SINGLE-VORTEX
APPROACH
MODERN PHYSICS LETTERS B 18(1), 19-26 (2004)
 18. **MAKSIMOV, IL.**
CRITICAL BEHAVIOUR NEAR THE CRACK/DISLOCATION DEPINNING
THRESHOLD
IUTAM SYMPOSIUM ON MESOSCOPIC DYNAMICS OF FRACTURE PROCESS
AND MATERIALS STRENGTH 115, 269-278 (2004)
 19. **MROWKA, F; MANZOOR, S; PONGPIYAPAIBOON, P; MAKSIMOV, IL;
ESQUINAZI, P; ZIMMER, K; LORENZ, A.**
EXCESS VOLTAGE IN THE VICINITY OF THE SUPERCONDUCTING TRANSITION
IN INHOMOGENEOUS YBA₂CU₃O₇ THIN FILMS
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS 399(1-2), 22-42
(2003)
 20. **RYABOV, MV; MOROZOV, VP; MAKSIMOV, IL.**
KINETICS OF MASS TRANSFER AT A SPATIALLY NONUNIFORM DISTRIBUTION
OF GRAINS IN METAL SYSTEMS
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY 77(10), 1666-1669 (2003)
 21. **NEFYODOV, YA; TRUNIN, MR; ZHOHOV, AA; NAUMENKO, IG;
EMEL'CHENKO, GA; VODOLAZOV, DY; MAKSIMOV, IL.**
SURFACE IMPEDANCE ANISOTROPY OF YBA₂CU₃O_{6.95} SINGLE CRYSTALS:
ELECTRODYNAMIC BASIS OF THE MEASUREMENTS
PHYSICAL REVIEW B 67(14), - (2003)
 22. **ELISTRATOV, AA; VODOLAZOV, DY; MAKSIMOV, IL; CLEM, JR.**
FIELD-DEPENDENT CRITICAL CURRENT IN TYPE-II SUPERCONDUCTING
STRIPS: COMBINED EFFECT OF BULK PINNING AND GEOMETRICAL EDGE
BARRIER (VOL 66, ART NO 220506, 2002)
PHYSICAL REVIEW B 67(9), - (2003)
 23. **VODOLAZOV, DY; MAKSIMOV, IL; BRANDT, EH.**
VORTEX ENTRY CONDITIONS IN TYPE-II SUPERCONDUCTORS. EFFECT OF
SURFACE DEFECTS
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS 384(1-2), 211-226
(2003)

24. **MAKSIMOV, IL; LI, HD; SUGAHARA, T; TSUKIHARA, M; MORI, A; SAKAI, S.**
CRACKS AND DISLOCATION STRUCTURES IN ALGAN SYSTEMS
5TH INTERNATIONAL CONFERENCE ON NITRIDE SEMICONDUCTORS (ICNS-5),
PROCEEDINGS 0(7), 2432-2435 (2003)
25. **ELISTRATOV, AA; VODOLAZOV, DY; MAKSIMOV, IL; CLEM, JR.**
FIELD-DEPENDENT CRITICAL CURRENT IN TYPE-II SUPERCONDUCTING
STRIPS: COMBINED EFFECT OF BULK PINNING AND GEOMETRICAL EDGE
BARRIER
PHYSICAL REVIEW B 66(22), - (2002)
26. **MAKSIMOV, IL; ELISTRATOV, AA.**
HYSTERESIS CURVES AND SELF-FIELD ALTERNATING-CURRENT LOSSES IN
SUPERCONDUCTING TAPES WITH TRANSPORT CURRENT: EDGE BARRIER
EFFECT
APPLIED PHYSICS LETTERS 80(15), 2701-2703 (2002)
27. **BALYKOV, LN; KITAMURA, M; MAKSIMOV, IL.**
NON-EQUILIBRIUM SHAPE OF TWO-DIMENSIONAL ISLANDS: KINETIC
MODELING OF MORPHOLOGICAL CHANGES
JOURNAL OF CRYSTAL GROWTH 237, 39-42 (2002)
28. **MAKSIMOV, IL.**
NUCLEATION KINETICS AT STRONG SUPERSATURATION
CRYSTALLOGRAPHY REPORTS 47, S105-S115 (2002)
29. **MAKSIMOV, IL; KAZNOV, DP.**
LOCALIZED VIBRATIONAL MODES IN A QUASI-ONE-DIMENSIONAL LATTICE
WITH A MACRODEFECT
SOLID STATE COMMUNICATIONS 121(6-7), 305-308 (2002)
30. **MAKSIMOV, IL; KITAMURA, K; NISHIOKA, K.**
TEMPERATURE-DEPENDENT CRACK SURFACE TENSION
PHILOSOPHICAL MAGAZINE LETTERS 81(8), 547-554 (2001)
31. **MAKSIMOVA, GM; VODOLAZOV, DY; MAKSIMOV, IL.**
MAGNETIZATION CURVES AND AC SUSCEPTIBILITIES IN TYPE-II
SUPERCONDUCTORS: GEOMETRY-INDEPENDENT SIMILARITY AND EFFECT OF
IRREVERSIBILITY MECHANISMS
PHYSICA C 356(1-2), 67-82 (2001)
32. **BALYKOV, LN; KITAMURA, M; MAKSIMOV, IL; NISHIOKA, K.**
MEAN-FIELD THEORY OF KINETIC SMOOTHENING OF GROWTH STEPS (VOL
52, PG 692, 2000)
EUROPHYSICS LETTERS 54(4), 555-555 (2001)
33. **MAKSIMOVA, GM; ZHELEZINA, NV; MAKSIMOV, IL.**
CRITICAL CURRENT AND NEGATIVE MAGNETORESISTANCE OF
SUPERCONDUCTING FILM WITH EDGE BARRIER
EUROPHYSICS LETTERS 53(5), 639-645 (2001)
34. **VODOLAZOV, DY; MAKSIMOV, IL.**
DISTRIBUTION OF THE MAGNETIC FIELD AND CURRENT DENSITY IN
SUPERCONDUCTING FILMS OF FINITE THICKNESS
PHYSICA C 349(1-2), 125-138 (2001)
35. **BALYKOV, LN; KITAMURA, M; MAKSIMOV, IL; NISHIOKA, K.**
MEAN-FIELD THEORY OF KINETIC SMOOTHENING OF GROWTH STEPS
EUROPHYSICS LETTERS 52(6), 692-697 (2000)
36. **MAKSIMOV, IL; SANADA, M; NISHIOKA, K.**
ENERGY BARRIER EFFECT ON TRANSIENT NUCLEATION KINETICS:
NUCLEATION FLUX AND LAG-TIME CALCULATION
JOURNAL OF CHEMICAL PHYSICS 113(8), 3323-3331 (2000)
37. **MAKSIMOVA, GM; VODOLAZOV, DY; MAKSIMOV, IL.**
BARRIER-TO-PINNING CROSSOVER OF THE AC-SUSCEPTIBILITY IN THIN-FILM
SUPERCONDUCTORS
PHYSICA B 284, 749-750 (2000)

38. **ELISTRATOV, AA; MAKSIMOV, IL.**
GENERALIZED MODEL OF THE CRITICAL STATE IN LOW-DIMENSIONAL SUPERCONDUCTORS WITH A TRANSPORT CURRENT
PHYSICA B 284, 835-836 (2000)
39. **VODOLAZOV, DY; MAKSIMOV, IL; BRANDT, EH.**
MODULATION INSTABILITY OF SUPERCONDUCTING CONDENSATE AND MAGNETIZATION CURVE IN TYPE-II SUPERCONDUCTOR FILMS
PHYSICA B 284, 747-748 (2000)
40. **MAKSIMOV, IL; MAKSIMOVA, GM; DUTYSHEV, VN.**
VORTEX STRUCTURES IN LOW-DIMENSIONAL SUPER CONDUCTORS: EQUILIBRIUM MAGNETIC CHARACTERISTICS AND STRUCTURAL TRANSITIONS
PHYSICA B 284, 761-762 (2000)
41. **LI, JS; MAKSIMOV, IL; WILEMSKI, G.**
GENUINE SADDLE POINT AND NUCLEATION POTENTIAL FOR BINARY SYSTEMS
PHYSICAL REVIEW E 61(5), R4710-R4713 (2000)
42. **ELISTRATOV, AA; MAKSIMOV, IL.**
A GENERALIZED CRITICAL-STATE MODEL FOR LOW-DIMENSIONAL SUPERCONDUCTORS WITH AN EDGE BARRIER
PHYSICS OF THE SOLID STATE 42(2), 201-206 (2000)
43. **LI, JS; MAKSIMOV, IL; WILEMSKI, G.**
GENUINE SADDLE POINT IN BINARY NUCLEATION KINETICS
NUCLEATION AND ATMOSPHERIC AEROSOLS 2000 534, 15-18 (2000)
44. **MAKSIMOV, IL; SANADA, M.**
ENERGY BARRIER EFFECT ON TRANSIENT NUCLEATION KINETICS
NUCLEATION AND ATMOSPHERIC AEROSOLS 2000 534, 272-275 (2000)
45. **MAKSIMOV, IL; NISHIOKA, K.**
KINETICAL RUNAWAY IN NUCLEATION
PHYSICS LETTERS A 264(1), 51-56 (1999)
46. **VODOLAZOV, DY; MAKSIMOV, IL; BRANDT, EH.**
MODULATION INSTABILITY OF THE ORDER PARAMETER IN THIN-FILM SUPERCONDUCTORS WITH EDGE BARRIER
EUROPHYSICS LETTERS 48(3), 313-319 (1999)
47. **MAKSIMOV, IL; KITAMURA, K; NISHIOKA, K.**
ON THE TEMPERATURE DEPENDENCE OF THE FRACTURE SURFACE ENERGY
DOKLADY AKADEMII NAUK 367(4), 489-494 (1999)
48. **SARAFANOV, GF; MAKSIMOV, IL.**
DISLOCATION PATTERN FORMATION IN THE COURSE OF PLASTIC DEFORMATION
METALS AND MATERIALS-KOREA 5(4), 323-327 (1999)
49. **BALYKOV, LN; KITAMURA, M; MAKSIMOV, IL; NISHIOKA, K.**
EVOLUTION OF A NONEQUILIBRIUM MONATOMIC [100] STEP ON THE (001) FACE OF A KOSSEL CRYSTAL
INORGANIC MATERIALS 35(8), 832-836 (1999)
50. **MOROZOV, VP; MAKSIMOV, IL.**
KINETICS OF GRAIN GROWTH IN AN ADVANCED STAGE OF COALESCENCE
INORGANIC MATERIALS 35(8), 869-872 (1999) MOROZOV, VP; MAKSIMOV, IL.
KINETICS OF GRAIN GROWTH IN AN ADVANCED STAGE OF COALESCENCE
INORGANIC MATERIALS 35(8), 869-872 (1999) MORI, A; MAKSIMOV, IL.
ON THE TEMKIN MODEL OF SOLID-LIQUID INTERFACE
JOURNAL OF CRYSTAL GROWTH 200(1-2), 297-304 (1999)
51. **BALYKOV, LN; KITAMURA, M; MAKSIMOV, IL; NISHIOKA, K.**
GROWTH AND DISSOLUTION KINETICS OF STEP STRUCTURE
JOURNAL OF CRYSTAL GROWTH 198, 32-37 (1999)

52. **SANADA, M; MAKSIMOV, IL; NISHIOKA, K.**
TRANSIENT KINETICS OF THE RUNAWAY NUCLEATION
JOURNAL OF CRYSTAL GROWTH 198, 67-70 (1999)
53. **MAKSIMOVA, GM; VODOLAZOV, DY; BALAKINA, MV; MAKSIMOV, IL.**
EFFECT OF AN EDGE BARRIER ON MAGNETIZATION AND HIGHER
HARMONICS OF A.C.-SUSCEPTIBILITY OF NARROW SUPERCONDUCTING FILM
SOLID STATE COMMUNICATIONS 111(7), 367-372 (1999)
54. **LI, JS; NISHIOKA, K; MAKSIMOV, IL.**
GENERALIZED KINETIC POTENTIAL IN BINARY NUCLEATION
PHYSICAL REVIEW E 58(6), 7580-7586 (1998)
55. **BALYKOV, LN; KITAMURA, M; MAKSIMOV, IL; NISHIOKA, K.**
KINETICS OF NON-EQUILIBRIUM STEP STRUCTURE
PHILOSOPHICAL MAGAZINE LETTERS 78(5), 411-418 (1998)
56. **MAKSIMOV, IL; VODOLAZOV, DY.**
NORMAL ZONE AND RESISTIVE DOMAIN IN THIN-FILM SUPERCONDUCTING
BRIDGES: NONLINEARITY EFFECTS
TECHNICAL PHYSICS LETTERS 24(11), 829-832 (1998)
57. **MAKSIMOV, IL; LAZAREV, VA.**
DISSIPATIVE THERMOELASTIC INSTABILITY OF SLIDING
DOKLADY AKADEMII NAUK 361(1), 47-50 (1998)
58. **MAKSIMOV, IL; ELISTRATOV, AA.**
MAGNETIZATION CURVES AND HYSTERETIC LOSSES IN SUPERCONDUCTING
FILMS WITH EDGE BARRIER
APPLIED PHYSICS LETTERS 72(13), 1650-1652 (1998)
59. **KITAMURA, K; MAKSIMOV, IL; NISHIOKA, K.**
TEMPERATURE-DEPENDENT MICRO CRACK HEALING PROCESS
METALS AND MATERIALS-KOREA 4(6), 1219-1222 (1998)
60. **GOLUBEVA, NG; MAKSIMOV, IL.**
THERMALLY STIMULATED CRACK PROPAGATION IN VISCOUS-PLASTIC
MATERIALS
METALS AND MATERIALS-KOREA 4(4), 778-781 (1998)
61. **SVIRINA, JV; MAKSIMOV, IL.**
CRACK ARREST AND VELOCITY OSCILLATIONS DUE TO LOCAL FRACTURE-
PLASTICITY EFFECT IN POLYMERS
METALS AND MATERIALS-KOREA 4(3), 516-519 (1998)
62. **MAKSIMOVA, GM; MAKSIMOV, IL.**
NONLOGARITHMIC REGIME OF THE TEMPORAL MAGNETIZATION
RELAXATION IN THIN-FILM SUPERCONDUCTORS
PHYSICA C 282, 2197-2198 (1997)
63. **MAKSIMOV, IL; DUTYSHEV, VN.**
FLUX-LATTICE WRECKING IN LOW-DIMENSIONAL SUPERCONDUCTORS
PHYSICA C 282, 1949-1950 (1997)
64. **LI, JS; NISHIOKA, K; MAKSIMOV, IL.**
THEORY OF THE KINETIC CRITICAL NUCLEUS IN BINARY SYSTEMS
JOURNAL OF CHEMICAL PHYSICS 107(2), 460-464 (1997)
65. **KITAMURA, K; MAKSIMOV, IL; NISHIOKA, K.**
THE EFFECT OF TEMPERATURE ON CRACK-LATTICE TRAPPING
PHILOSOPHICAL MAGAZINE LETTERS 75(6), 343-350 (1997)
66. **SARAFANOV, GF; MAKSIMOV, IL.**
SELF-CONSISTENT DYNAMICS OF AN ENSEMBLE OF SCREW DISLOCATIONS
DURING PLASTIC DEFORMATION OF CRYSTALS
PHYSICS OF THE SOLID STATE 39(6), 957-961 (1997)
67. **ELISTRATOV, AA; MAKSIMOV, IL.**
MAGNETIC HYSTERESIS AND DISSIPATIVE LOSSES IN SUPERCONDUCTING
FILMS
TECHNICAL PHYSICS LETTERS 23(6), 427-429 (1997)

68. **MAKSIMOV, IL; MAKSIMOVA, GM.**
STABILITY LIMITS, STRUCTURE, AND RELAXATION OF A MIXED STATE IN SUPERCONDUCTING FILMS WITH AN EDGE BARRIER
JETP LETTERS 65(5), 423-429 (1997)
69. **NISHIOKA, K; MAKSIMOV, IL.**
CONCEPT OF THE CRITICAL NUCLEUS IN NUCLEATION
SCIENCE REPORTS OF THE RESEARCH INSTITUTES TOHOKU UNIVERSITY SERIES A-PHYSICS CHEMISTRY AND METALLURGY 43(1), 1-3 (1997)
70. **SANADA, M; NISHIOKA, K; OKADA, M; MAKSIMOV, IL.**
NUMERICAL SIMULATION OF THE KINETIC CRITICAL NUCLEUS
SCIENCE REPORTS OF THE RESEARCH INSTITUTES TOHOKU UNIVERSITY SERIES A-PHYSICS CHEMISTRY AND METALLURGY 43(1), 5-7 (1997)
71. **MAKSIMOV, IL.**
DISSIPATIVE CHARACTERISTICS OF SUPERCONDUCTING FILMS WITH EDGE BARRIER
PISMA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 22(20), 56-61 (1996)
72. **MAKSIMOV, IL; SVIRINA, YV.**
DISSIPATIVE INSTABILITIES OF DESTRUCTION IN CONDUCTING MATERIALS WITH TRANSPORT CURRENT .1. CRITERIA OF INSTABILITY, QUALITATIVE ANALYSIS
ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 66(9), 64-74 (1996)
73. **MAKSIMOV, IL; SVIRINA, YV.**
DISSIPATIVE INSTABILITIES OF DESTRUCTION IN CONDUCTING MATERIALS WITH TRANSPORT CURRENT .2. EVOLUTION EQUATIONS, INSTABILITY DIAGRAMS
ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 66(9), 75-85 (1996)
74. **MAKSIMOV, IL; GOLUBEVA, NG.**
TRANSITION INTO A NORMAL STATE DURING LOCAL DESTRUCTION OF SEMICONDUCTORS
PISMA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 22(11), 1-6 (1996)
75. **NISHIOKA, K; MAKSIMOV, IL.**
RECONSIDERATION OF THE CONCEPT OF CRITICAL NUCLEUS AND THE GIBBS-THOMSON EQUATION
JOURNAL OF CRYSTAL GROWTH 163(1-2), 1-7 (1996)
76. **MAKSIMOVA, GM; MAKSIMOV, IL.**
ON THE MIXED STATE STABILITY DOMAIN IN THIN-FILM SUPERCONDUCTORS
CZECHOSLOVAK JOURNAL OF PHYSICS 46, 1819-1820 (1996)
77. **MAKSIMOV, IL; MAKSIMOVA, GM; ELISTRATOV, AA.**
CRITICAL STATE STRUCTURE IN LOW-DIMENSIONAL SUPERCONDUCTORS
CZECHOSLOVAK JOURNAL OF PHYSICS 46, 1821-1822 (1996)
78. **SHALAEV, IY; MAKSIMOV, IL.**
NONLOGARITHMIC RELAXATION REGIME IN TYPE-II SUPERCONDUCTORS
CZECHOSLOVAK JOURNAL OF PHYSICS 46, 1823-1824 (1996)
79. **MAKSIMOV, I.L..**
DISSIPATIVE CHARACTERISTICS OF SUPERCONDUCTING FILMS WITH AN EDGE BARRIER
TECHNICAL PHYSICS LETTERS 22(10), (1996)
80. **MAKSIMOV, IL.**
EDGE PINNING AND CRITICAL-STATE STRUCTURE IN THIN SUPERCONDUCTING FILMS.
EUROPHYSICS LETTERS 32(9), 753-758 (1995)
81. **MAKSIMOV, IL; SARAFANOV, GF; NAGORNYKH, SN.**
KINETIC MECHANISM OF THE FORMATION OF SLIDING BAND IN DEFORMED CRYSTALS
FIZIKA TVERDOGO TELA 37(10), 3169-3178 (1995)

82. **MAKSIMOV, IL; SVIRINA, YV.**
DISSIPATIVE INSTABILITY DUE TO THE DESTRUCTION OF CURRENT-CARRYING MATERIALS
PISMA V ZHURNAL TEKHNIЧЕСKOI FIZIKI 21(8), 1-6 (1995)
83. **MAKSIMOV, IL; SARAFANOV, GF.**
SOLITARY CHARGE-DENSITY-WAVE IN AN ENSEMBLE OF DISLOCATIONS
JETP LETTERS 61(5), 411-417 (1995)
84. **MAKSIMOV, IL; ELISTRATOV, AA.**
EDGE BARRIER AND STRUCTURE OF THE CRITICAL-STATE IN SUPERCONDUCTING THIN-FILMS
JETP LETTERS 61(3), 208-213 (1995)
85. **MAKSIMOV, IL.**
ON THE MAGNETIC FLUX - BRANCHING INSTABILITY IN SUPERCONDUCTORS
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS 235-40, 3017-3018 (1994)
86. **MAKSIMOV, IL; GOLUBEVA, NG; MAKSIMOVA, GM; METRIKIN, VS; SMIRNOVA, VN; SVIRINA, JV.**
THEORY OF NONISOTHERMAL CRACK-PROPAGATION IN PLASTIC AND VISCOUS-PLASTIC MATERIALS
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING 176(1-2), 309-315 (1994)
87. **MAKSIMOV, IL; SVIRINA, JV.**
THERMOMECHANICAL FRACTURE INSTABILITIES IN THE CURRENT-CARRYING STATE OF CONDUCTING MEDIA
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING 176(1-2), 321-327 (1994)
88. **MAKSIMOV, IL; KRASNOV, DA; SHALAEV, IY.**
THE NONLINEAR DISSIPATIVE STRUCTURES IN THE COURSE OF THE MAGNETIC-FLUX CREEP IN SUPERCONDUCTORS WITH THE LOGARITHMIC BARRIER
PHYSICA B-CONDENSED MATTER 194, 1869-1870 (1994)
89. **FIX, AS; MAKSIMOV, IL; MOROZOV, KV; OSIPOV, VV.**
THE RESISTIVE HOTSPOT AND VOLTAGE-CURRENT CHARACTERISTICS IN THIN Y-BA-CU-O FILMS
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY 3(1), 1608-1611 (1993)
90. **FIX, AS; MAKSIMOV, IL; MOROZOV, KV; OSIPOV, VV.**
THE RESISTIVE HOTSPOT AND VOLTAGE-CURRENT CHARACTERISTICS IN THIN Y-BA-CU-O FILMS
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, VOL 3, NO 1, MARCH 1993 PTS 2-4 , 1608-1611 (1993)
91. **MAKSIMOV, IL; MURAVEVA, TM; EINGORIN, MY.**
3-DIMENSIONAL MODEL OF MEMORY-ELEMENT BASED ON VO₂
ZHURNAL TEKHNIЧЕСKOI FIZIKI 62(3), 87-94 (1992)
92. **FIX, AS; MAKSIMOV, IL; MOROZOV, KV; OSIPOV, VV.**
VOLTAGE-CURRENT CHARACTERISTICS AND THE RESISTIVE HOTSPOT IN THIN Y-BA-CU-O FILMS
CRYOGENICS 32, 592-595 (1992)
93. **FIX, AS; MAKSIMOV, IL; MOROZOV, KV; OSIPOV, VV.**
VOLTAGE-CURRENT CHARACTERISTICS AND THE RESISTIVE HOTSPOT IN THIN Y-BA-CU-O FILMS
CRYOGENICS, VOL 32, ICEC SUPPLEMENT 1992: CRYOGENIC ENGINEERING & SUPERCONDUCTOR TECHNOLOGY , 592-595 (1992)
94. **MAKSIMOV, IL.**
NONLINEAR DYNAMICS OF MAGNETIC FLOW PENETRATION TO SUPERCONDUCTORS
FIZIKA NIZKIKH TEMPERATUR 17(10), 1247-1249 (1991)

95. **MAKSIMOV, IL.**
QUENCH STRESS AND TRAINING OF SHORT SUPERCONDUCTING SAMPLES
CRYOGENICS 30(1), 19-26 (1990)
96. **MAKSIMOV, IL.**
TEMPERATURE-DEPENDENCE OF THE SURFACE-ENERGY AND THE THERMAL
FRACTURE INSTABILITY
DOKLADY AKADEMII NAUK SSSR 313(6), 1395-1398 (1990)
97. **MAKSIMOV, I.L..**
TEMPERATURE DEPENDENCE OF SURFACE ENERGY AND THERMAL
STABILITY OF CRACKING
SOVIET PHYSICS - DOKLADY 35(8), (1990)
98. **GAVRILENKO, VI; KOROTKOV, AL; KOSYEV, VY; KOCHEMASOV, AV;
MAKSIMOV, IL; STRIKOVSKII, MD.**
VOLTAMPERE CHARACTERISTIC AND THERMAL-INSTABILITY OF RESISTIVE
STATE OF YBA₂CU₂OY SUPER CONDUCTING FILMS
PISMA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 15(13), 83-86 (1989)
99. **MAKSIMOV, IL; RAKHMANOV, AL.**
THE THERMOFRICTIONAL OSCILLATIONS UNDER SLIDING
PHYSICS LETTERS A 121(8-9), 399-402 (1987)
100. **MAKSIMOV, IL; RAKHMANOV, AL.**
THERMOFRICTION INSTABILITY AND THERMOFRICTION AUTOOSCILLATIONS
DURING SLIDING
ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 57(3), 588-591 (1987)
101. **MAKSIMOV, IL; MASTAKOV, YN; TAILANOV, NA.**
NONLINEAR THERMOMAGNETIC WAVE IN SUPERCONDUCTORS OF THE 2ND
KIND
FIZIKA TVERDOGO TELA 28(8), 2323-2328 (1986)
102. **MAKSIMOV, I.L.; MASTAKOV, YU.N.; TAILANOV, N.A..**
NONLINEAR THERMOMAGNETIC WAVES IN TYPE II SUPERCONDUCTORS
SOVIET PHYSICS - SOLID STATE 28(8), 1300 (1986)
103. **MAKSIMOV, IL.**
TRAINING OF SHORT SUPERCONDUCTING COMPOSITES
ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 55(9), 1861-1863 (1985)
104. **MAKSIMOV, IL; SONIN, NM.**
ON THE THEORY OF THERMOMAGNETOMECHANICAL INSTABILITY IN HARD
SUPERCONDUCTORS
JOURNAL OF PHYSICS D-APPLIED PHYSICS 18(1), 111-119 (1985)
105. **MAKSIMOV, IL.**
2 MECHANISMS OF RESISTANCE TRANSITION OF TYPE-II SUPERCONDUCTORS
ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 54(5), 959-961 (1984)
106. **MAKSIMOV, IL; MINTS, RG.**
CRITICAL STATE STABILITY AND THE TRAINING PHENOMENON IN
NONUNIFORM SUPERCONDUCTING COMPOSITES
JOURNAL OF PHYSICS D-APPLIED PHYSICS 15(4), 697-704 (1982)
107. **MAKSIMOV, IL; MINTS, RG; RAKHMANOV, AL.**
QUENCHING STRESS, QUENCHING CURRENT AND PLASTIC STRAIN IN
SUPERCONDUCTORS
CRYOGENICS 21(12), 715-718 (1981)
108. **MAKSIMOV, IL; MINTS, RG.**
ON THE THEORY OF THE TRAINING PHENOMENON IN SUPERCONDUCTORS
JOURNAL OF PHYSICS D-APPLIED PHYSICS 14(2), 267-282 (1981)
109. **MAKSIMOV, IL; MINTS, RG.**
PLASTIC STRAIN AND FLUX JUMPS IN HARD AND COMPOSITE
SUPERCONDUCTORS
JOURNAL OF PHYSICS D-APPLIED PHYSICS 14(12), 2279-2283 (1981)

110. **MAKSIMOV, IL; MINTS, RG.**
CRITICAL STATE STABILITY AND TRAINING PHENOMENON
IEEE TRANSACTIONS ON MAGNETICS 17(1), 228-230 (1981)
111. **MAKSIMOV, IL; MINTS, RG.**
THE CRITICAL STATE STABILITY AND OSCILLATIONS IN HARD
SUPERCONDUCTORS
JOURNAL OF PHYSICS D-APPLIED PHYSICS 13(9), 1689-1698 (1980)