

Calculation of hysteresis losses in hard superconductor conductors and edges of thin sheets

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Calculation of hysteresis losses in hard superconductors: polygonal-section conductors. Journal Physics D: Applied Physics, 1971, 4, 1358-1364.	1.3	27
2	A.C. loss and related effects in type II superconductors. Advances in Physics, 1972, 21, 647-689.	35.9	29
3	Flux vortices and transport currents in type II superconductors. Advances in Physics, 1972, 21, 199-428.	35.9	1,552
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5	Critical current density in superconducting niobium films. IEEE Transactions on Magnetics, 1975, 11, 344-346.	1.2	16
6	Transportâ€currentâ€induced magnetic field profiles of Nb ₃ Sn superconducting tape. Journal of Applied Physics, 1976, 47, 3266-3271.	1.1	14
7	Current-induced flux motion in type-I superconducting films studied at 100-ns time resolution. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1978, 38, 635-653.	0.6	29
8	Imaging highâ€temperature superconducting films. Journal of Applied Physics, 1991, 69, 7178-7181.	1.1	4
9	Measurements and modeling of linear and nonlinear effects in striplines. Journal of Superconductivity and Novel Magnetism, 1992, 5, 361-369.	0.5	69
10	Magnetization and relaxation curves of TlBaCaCuO. Physica C: Superconductivity and Its Applications, 1993, 208, 86-90.	0.6	2
11	Critical current in YBCO thin film bridge studied using magneto-optic technique. Journal of Superconductivity and Novel Magnetism, 1993, 6, 173-178.	0.5	12
12	Type-II-superconductor strip with current in a perpendicular magnetic field. Physical Review B, 1993, 48, 12893-12906.	1.1	965
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14	Type-II Superconducting Strip in Perpendicular Magnetic Field. Europhysics Letters, 1993, 22, 735-740.	0.7	288
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17	Observation of current-discontinuity lines in type-II superconductors. Physical Review B, 1994, 49, 3443-3452.	1.1	128
18	Flux motion in thin superconductors with inhomogeneous pinning. Physical Review B, 1994, 50, 16684-16707.	1.1	82

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19	Effect of sample shape on hysteresis loops of YBa ₂ Cu ₃ O _{7-x} single crystals. <i>Physical Review B</i> , 1994, 49, 9222-9225.	1.1	9
20	The effect of potential contact position on AC loss measurements in superconducting BSCCO tape. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 233, 203-208.	0.6	94
21	Measurements of AC losses due to transport currents in bismuth superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 229, 355-360.	0.6	42
22	Flux creep in superconducting films: An exact solution. <i>Physical Review Letters</i> , 1994, 73, 178-181.	2.9	102
23	Magnetization and transport currents in thin superconducting films. <i>Physical Review B</i> , 1994, 49, 9802-9822.	1.1	574
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25	Thin superconductors in a perpendicular magnetic ac field: General formulation and strip geometry. <i>Physical Review B</i> , 1994, 49, 9024-9040.	1.1	263
26	Nonlinear microwave impedance of superconductors and ac response of the critical state. <i>Applied Physics Letters</i> , 1994, 65, 1054-1056.	1.5	57
27	Thin superconductors in a perpendicular magnetic ac field. II. Circular disk. <i>Physical Review B</i> , 1994, 50, 4034-4050.	1.1	118
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29	The effect of bias magnetic fields and currents on ac losses in type II superconductors. <i>Applied Superconductivity</i> , 1995, 3, 497-508.	0.5	2
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32	AC losses of Ag-sheathed (Bi, Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _x monofilamentary and multifilamentary tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1995, 249, 157-165.	0.6	46
33	Electric field in superconductors with rectangular cross section. <i>Physical Review B</i> , 1995, 52, 15442-15457.	1.1	195
34	Current and field pattern in rectangular and inhomogeneous superconductors. <i>Physical Review B</i> , 1995, 52, 10375-10389.	1.1	86
35	Nonlinear response of suspended high temperature superconducting thin film microwave resonators. <i>IEEE Transactions on Applied Superconductivity</i> , 1995, 5, 1753-1755.	1.1	21
36	Electric field and losses in BSCCO-2223/Ag tapes carrying AC transport current. <i>IEEE Transactions on Applied Superconductivity</i> , 1995, 5, 713-716.	1.1	6

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38	Observation of neutral lines during flux creep in thin high-T _c superconductors. Physical Review B, 1995, 51, 697-700.	1.1	38
39	AC V-I characteristics of Ag sheathed PbBi ₂ 223 tapes up to 10 kHz: phenomena and interpretations. IEEE Transactions on Applied Superconductivity, 1995, 5, 701-704.	1.1	22
40	AC losses of Ag-(Bi,Pb)SrCaCuO-2223 tapes in combination of transverse external magnetic field and transport current. IEEE Transactions on Applied Superconductivity, 1995, 5, 709-712.	1.1	33
41	AC losses in high T _c /superconductors. IEEE Transactions on Applied Superconductivity, 1995, 5, 682-687.	1.1	81
42	Electromagnetic properties of HTS. , 1995, , .		0
43	An analysis of the transport losses measured on HTSC single-phase conductor prototypes. Superconductor Science and Technology, 1995, 8, 476-483.	1.8	98
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55	The a.c. losses in (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _x silver-sheathed superconducting wires. Cryogenics, 1996, 36, 697-703.	0.9	52
56	The influence of geometry on self-field AC losses of Ag sheathed PbBi ₂₂₂₃ tapes. Physica C: Superconductivity and Its Applications, 1996, 256, 378-386.	0.6	94
57	Critical state of YBa ₂ Cu ₃ O _y disc in perpendicular fields. Physica C: Superconductivity and Its Applications, 1996, 258, 121-128.	0.6	17
58	AC losses and critical currents in Ag/(Tl,Pb,Bi)-1223 tape. Physica C: Superconductivity and Its Applications, 1996, 260, 93-102.	0.6	24
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63	Hysteretic losses at a gap in a thin sheet of hard superconductor carrying alternating transport current. Physica C: Superconductivity and Its Applications, 1996, 272, 62-64.	0.6	23
64	Transport AC losses in multifilamentary Ag/Bi-2223 tapes in low external DC magnetic fields. Physica C: Superconductivity and Its Applications, 1996, 272, 319-325.	0.6	11
65	Method for determining the critical-state response of superconductors in tape geometry. Physical Review B, 1996, 53, 8743-8750.	1.1	3
66	Reduction of low frequency ac losses in coaxial cables of type II superconductors by a steady bias current. Journal of Applied Physics, 1996, 79, 334-344.	1.1	2
67	Critical state of periodically arranged superconducting-strip lines in perpendicular fields. Physical Review B, 1996, 54, 13215-13221.	1.1	131
68	Nonlinear microwave absorption in weak-link Josephson junctions. Physical Review B, 1996, 54, 15494-15499.	1.1	19
69	Theory of flux penetration into thin films with field-dependent critical current. Physical Review B, 1996, 53, 8643-8650.	1.1	112
70	Flux penetration into flat superconductors of arbitrary shape: Patterns of magnetic and electric fields and current. Physical Review B, 1996, 54, 3514-3524.	1.1	68
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#	ARTICLE	IF	CITATIONS
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82	Current and field distribution within multifilamentary Bi2223/Ag tapes. IEEE Transactions on Applied Superconductivity, 1997, 7, 1339-1342.	1.1	13
83	Analysis of AC loss behavior in BSCCO tapes with different core geometries. IEEE Transactions on Applied Superconductivity, 1997, 7, 1351-1354.	1.1	8
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88	Study of self-field AC losses in mono and multi-filamentary Bi-2223 tapes for power applications. IEEE Transactions on Applied Superconductivity, 1997, 7, 335-338.	1.1	10
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90	Self-field ac loss of Bi-2223 superconducting tapes. IEEE Transactions on Applied Superconductivity, 1997, 7, 306-309.	1.1	28

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92	Thermometric measurements of the self-field losses in silver sheathed PbBi ₂ 223 multifilamentary tapes. IEEE Transactions on Applied Superconductivity, 1997, 7, 1658-1661.	1.1	14
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#	ARTICLE	IF	CITATIONS
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117	AC transport current losses of multifilamentary $\text{Bi}(2223)$ tapes with varying filament geometries. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 295, 198-208.	0.6	42
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119	Effect of strain on ac power loss of $\text{Bi}-2223/\text{Ag}$ superconducting tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 306, 129-135.	0.6	14
120	Eddy current self-field loss in $\text{Bi}-2223$ tapes with a.c. transport current. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 307, 105-116.	0.6	13
121	Temperature dependence of transport ac losses in $\text{Bi}-2223/\text{Ag}$ multifilamentary tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 310, 6-11.	0.6	20
122	AC power loss for superconducting strips of arbitrary thickness carrying a transport current. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 310, 12-15.	0.6	5
123	Numerical modelings of superconducting wires for AC loss calculations. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 310, 16-29.	0.6	206
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125	Calculation of AC losses in HTSC wires with arbitrary current voltage characteristics. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 310, 42-47.	0.6	28
126	Estimation of $J_c(B)$ dependence from self-field alternating current (AC) losses measured on $\text{Bi}-2223/\text{Ag}$ tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 310, 52-56.	0.6	2

#	ARTICLE	IF	CITATIONS
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143	Ac power loss for superconducting strips of arbitrary thickness in the critical state carrying a transport current. Superconductor Science and Technology, 1998, 11, 590-593.	1.8	23
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155	Alternating current loss in coplanar arrays of superconducting strips with bidirectional currents. Applied Physics Letters, 1999, 75, 406-408.	1.5	11
156	Measurements of AC losses in HTSC wires exposed to an alternating field using calorimetric methods. IEEE Transactions on Applied Superconductivity, 1999, 9, 813-816.	1.1	21
157	Comparison of magnetic field profiles of Ag/BSCCO-2223 tapes carrying AC and DC currents. IEEE Transactions on Applied Superconductivity, 1999, 9, 2557-2560.	1.1	7
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