Stanford



Aharon Kapitulnik

Theodore and Sydney Rosenberg Professor of Applied Physics and Professor of Physics

CONTACT INFORMATION

- **Administrative Contact**

  Clora Yeung

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Bio

BIO

Aharon Kapitulnik is the Theodore and Sydney Rosenberg Professor in Applied Physics at the Departments of Applied Physics and Physics at Stanford University. His research focuses on experimental condensed matter physics, while opportunistically, also apply his methods to tabletop experimental studies of fundamental phenomena in physics. His recent studies cover a broad spectrum of phenomena associated with the behavior of correlated and disordered electron systems, particularly in reduced dimensions, and the development of effective instrumentation to detect subtle signatures of physical phenomena.

Among other recognitions, his activities earned him the Alfred P. Sloan Fellowship (1986-90), a Presidential Young Investigator Award (1987-92), a Sackler Scholar at Tel-Aviv University (2006), the Heike Kamerlingh Onnes Prize for Superconductivity Experiment (2009), a RTRA (Le Triangle de la Physique) Senior Chair (2010), and the Oliver Buckley Condensed Matter Prize of the American Physical Society (2015). Aharon Kapitulnik is a Fellow of the American Physical Society, a Fellow of the American Academy of Arts and Sciences, a Fellow of the American Association for the Advancement of Science and a member of the National Academy of Sciences. Kapitulnik holds a Ph.D. in Physics from Tel-Aviv University (1984).

ACADEMIC APPOINTMENTS

- Professor, Applied Physics
- Professor, Physics
- Principal Investigator, Stanford Institute for Materials and Energy Sciences

ADMINISTRATIVE APPOINTMENTS

- Chair, Department of Applied Physics, Stanford University, (2005-2010)
- Deputy Director, Laboratory for Advanced materials, Stanford University, (2000-2002)
- Visiting Professor, The Hebrew University of Jerusalem, Israel, (2000-2001)
- Director, center for Materials Research, Stanford University, (1999-2000)
- Chair, Department of Applied Physics, Stanford University, (1996-1999)
- Professor of Applied Physics and Physics, Stanford University, (1994- present)
- Visiting Professor, Ecole Normale Superieure, Paris, and U. of Paris XI, Orsay, (1992-1992)

- Associate Professor of Applied Physics and Physics, Stanford University, (1990-1994)
- Assistant Professor of Applied Physics, Stanford University, (1985-1990)
- Assistant Professor in Residence, UC Santa Barbara, (1985-1985)
- Associate Member, Institute for Theoretical Physics, UC Santa Barbara, (1983-1984)
- Weizmann postdoctoral Fellow, Department of Physics, UC Santa Barbara, (1983-1984)

HONORS AND AWARDS

- Elected Fellow, American Association for the Advancement of Science (2022)
- Elected member, National Academy of Science (2015)
- The 2015 Oliver E. Buckley Condensed Matter Physics Prize., American Physical Society (2015)
- EPIQS Experimental Investigator Award, Moore Foundation (2014)
- The Yuval Ne'eman Memorial Lecture, Tel Aviv University, Israel (2014)
- Einstein Colloquium, Weizmann Institute of Science, Israel (2012)
- Senior Chair, Le Triangle de la Physique, (Polytechnique-Orsay-Saclay), France (2011-2014)
- Alexander von Humboldt Research Award, Alexander von Humboldt Foundation, Germany (2011)
- Elected Fellow, American Academy of Arts and Sciences (2009)
- Heike Kamerlingh Onnes Prize for Outstanding Superconductivity Experiments, International Award (2009)
- Colloquium Pierre et Marie CURIE, Paris, France (2007)
- Sackler Professor by Special Appointment, School of Physics and astronomy, Tel-Aviv University, Israel (2006-2015)
- Niels-Bohr lecture, The Niels Bohr Institute, Copenhagen, Denmark (2000)
- Distinguished Lecturer in Materials Physics, Penn State University (1994)
- Elected Fellow, American Physical Society (1994)
- Presidential Young Investigator Award, National Science Foundation (1987-1992)
- Alfred P. Sloan Fellow, Alfred P. Sloan Foundation (1986-1990)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, National Academy of Sciences' Committee on Condensed Matter and Materials Research (CCMR) (2016 - 2022)
- Member of Scientific Advisory Board, Conductus Inc., Sunnyvale, CA (1987 - 1996)
- Member of Executive Committee, DCMP, American Physical Society (2008 - 2011)
- Member, Governing Body of the Raymond and Beverly Sackler Institute of Solid State Physics., Tel-Aviv University, Israel. (2007 - present)

PROFESSIONAL EDUCATION

- Ph.D, Tel Aviv University, Israel , Physics (1984)
- B.Sc, Tel Aviv University, Israel , Physics (1978)

LINKS

- Personal and Group Web Page: https://kapitulnik.stanford.edu
- https://kapitulnik.stanford.edu: https://kapitulnik.stanford.edu

Teaching

COURSES

2026-27

- Advanced Physics Laboratory: Project: PHYSICS 108 (Spr)
- Condensed Matter Seminar: APPPHYS 470 (Aut, Win)
- Experimental Methods for Quantum Materials: APPPHYS 214 (Spr)

2025-26

- Advanced Physics Laboratory: Project: PHYSICS 108 (Spr)
- Physics of Disordered Systems: APPPHYS 285 (Win)

2023-24

- Phenomenology of Superconductors: APPPHYS 280 (Win)
- Solid State Physics: APPPHYS 272, PHYSICS 172 (Spr)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Nicolo Danna

Doctoral Dissertation Advisor (AC)

Winslow Weiss, Jinze Wu

Doctoral Dissertation Co-Advisor (AC)

Megan Loh

Doctoral (Program)

Benito Gonzalez, . Littleton, Maya Martinez, Stefania Moroianu, Kaveh Pezeshki

Publications

PUBLICATIONS

- **Elastocaloric evidence for a multicomponent superconductor stabilized within the nematic state in Ba(Fe1-xCox)2As2.** *Proceedings of the National Academy of Sciences of the United States of America*
  Ghosh, S., Ikeda, M. S., Chakraborty, A. R., Worasaran, T., Theuss, F., Peralta, L. B., Lozano, P. M., Kim, J. W., Thompson, P. J., Ryan, P. J., Ye, L., Kapitulnik, A., Kivelson, et al
  2025; 122 (37): e2424833122

- **Spin-glass state in nickelate superconductors** *NPJ QUANTUM MATERIALS*
  Saykin, D. R., Gonzalez, M., Fowlie, J., Kivelson, S. A., Hwang, H. Y., Kapitulnik, A.
  2025; 10 (1)

- **Possible unconventional surface superconductivity in the half-Heusler compound YPtBi** *PHYSICAL REVIEW B*
  Persky, E., Fang, A., Zhang, X., Adamo, C., Wu, P., Levenson-Falk, E., Shekhar, C., Felser, C., Yan, B., Kapitulnik, A.
  2025; 111 (24)

- **Gapless superconductivity from low-frequency electrodynamic response of two-dimensional granular composites** *PHYSICAL REVIEW RESEARCH*
  Zhang, X., Wu, J., Palevski, A., Kapitulnik, A.
  2025; 7 (1)

- **Emergent tetragonality in a fundamentally orthorhombic material.** *Science advances*
  Singh, A. G., Bachmann, M. D., Sanchez, J. J., Pandey, A., Kapitulnik, A., Kim, J. W., Ryan, P. J., Kivelson, S. A., Fisher, I. R.
  2024; 10 (21): eadk3321

- **Thermal transport measurements through the charge density wave transition in CsV 3 Sb 5** *PHYSICAL REVIEW B*
  Kountz, E. D., Murthy, C. R., Chen, D., Ye, L., Zic, M. P., Felser, C., Fisher, I. R., Kivelson, S. A., Kapitulnik, A.
  2024; 109 (20)

- **Vortex phase diagram of the kagome superconductor CsV 3 Sb 5** *PHYSICAL REVIEW B*
  Zhang, X., Zic, M. P., Chen, D., Shekhar, C., Felser, C., Fisher, I. R., Kapitulnik, A.
  2024; 109 (14)
- **Emergent Z2 symmetry near a charge density wave multicritical point** *PHYSICAL REVIEW B*
  Kivelson, S. A., Pandey, A., Singh, A. G., Kapitulnik, A., Fisher, I. R.
  2023; 108 (20)
- **High Resolution Polar Kerr Effect Studies of CsV_{3}Sb_{5}: Tests for Time-Reversal Symmetry Breaking below the Charge-Order Transition.** *Physical review letters*
  Saykin, D. R., Farhang, C., Kountz, E. D., Chen, D., Ortiz, B. R., Shekhar, C., Felser, C., Wilson, S. D., Thomale, R., Xia, J., Kapitulnik, A.
  2023; 131 (1): 016901
- **Anomalous metals: From "failed superconductor" to "failed insulator".** *Proceedings of the National Academy of Sciences of the United States of America*
  Zhang, X., Palevski, A., Kapitulnik, A.
  2022; 119 (29): e2202496119
- **Observation of broken inversion and chiral symmetries in the pseudogap phase in single- and double-layer bismuth-based cuprates** *PHYSICAL REVIEW B*
  Lim, S., Varma, C. M., Eisaki, H., Kapitulnik, A.
  2022; 105 (15)
- **Interplay between magnetism and superconductivity in UTe2** *PHYSICAL REVIEW B*
  Wei, D. S., Saykin, D., Miller, O. Y., Ran, S., Saha, S. R., Agterberg, D. F., Schmalian, J., Butch, N. P., Paglione, J., Kapitulnik, A.
  2022; 105 (2)
- **Superconductor-insulator transitions in three-dimensional indium-oxide at high pressures.** *Journal of physics. Condensed matter : an Institute of Physics journal*
  Hen, B., Shelukhin, V., Greenberg, E., Rozenberg, G. K., Kapitulnik, A., Palevski, A.
  1800
- **Emergence of ferromagnetism through the metal-insulator transition in undoped indium tin oxide films** *PHYSICAL REVIEW MATERIALS*
  Mumford, S., Paul, T., Kapitulnik, A.
  2021; 5 (12)
- **Nanoscale Turing patterns in a bismuth monolayer** *NATURE PHYSICS*
  Fuseya, Y., Katsuno, H., Behnia, K., Kapitulnik, A.
  2021
- **Robust anomalous metallic states and vestiges of self-duality in two-dimensional granular In-InOx composites** *NPJ QUANTUM MATERIALS*
  Zhang, X., Hen, B., Palevski, A., Kapitulnik, A.
  2021; 6 (1)
- **Universal Bound to the Amplitude of the Vortex Nernst Signal in Superconductors.** *Physical review letters*
  Rischau, C. W., Li, Y., Fauqué, B., Inoue, H., Kim, M., Bell, C., Hwang, H. Y., Kapitulnik, A., Behnia, K.
  2021; 126 (7): 077001
- **Universal Bound to the Amplitude of the Vortex Nernst Signal in Superconductors** *PHYSICAL REVIEW LETTERS*
  Rischau, C., Li, Y., Fauque, B., Inoue, H., Kim, M., Bell, C., Hwang, H. Y., Kapitulnik, A., Behnia, K.
  2021; 126 (7)
- **Superconductor-insulator transition in two-dimensional indium-indium-oxide composite.** *Proceedings of the National Academy of Sciences of the United States of America*
  Hen, B., Zhang, X., Shelukhin, V., Kapitulnik, A., Palevski, A.
  2021; 118 (2)
- **Robust superconductivity intertwined with charge density wave and disorder in Pd-intercalated ErTe3** *PHYSICAL REVIEW RESEARCH*
  Fang, A., Singh, A. G., Straquadine, J. A. W., Fisher, I. R., Kivelson, S. A., Kapitulnik, A.
  2020; 2 (4)

- **Sample shape and boundary dependence of measured transverse thermal properties** *JOURNAL OF APPLIED PHYSICS*
  Mumford, S., Paul, T., Kountz, E., Kapitulnik, A.
  2020; 128 (17)
- **A cantilever torque magnetometry method for the measurement of Hall conductivity of highly resistive samples.** *The Review of scientific instruments*
  Mumford, S., Paul, T., Lee, S. H., Yacoby, A., Kapitulnik, A.
  2020; 91 (4): 045001
- **A cantilever torque magnetometry method for the measurement of Hall conductivity of highly resistive samples** *REVIEW OF SCIENTIFIC INSTRUMENTS*
  Mumford, S., Paul, T., Lee, S., Yacoby, A., Kapitulnik, A.
  2020; 91 (4)
- **Disorder-induced suppression of charge density wave order: STM study of Pd-intercalated ErTe3** *PHYSICAL REVIEW B*
  Fang, A., Straquadine, J. A. W., Fisher, I. R., Kivelson, S. A., Kapitulnik, A.
  2019; 100 (23)
- **Thermal diffusivity above the Mott-Ioffe-Regel limit** *PHYSICAL REVIEW B*
  Zhang, J., Kountz, E. D., Levenson-Falk, E. M., Song, D., Greene, R. L., Kapitulnik, A.
  2019; 100 (24)
- **Thermalization and possible signatures of quantum chaos in complex crystalline materials.** *Proceedings of the National Academy of Sciences of the United States of America*
  Zhang, J., Kountz, E. D., Behnia, K., Kapitulnik, A.
  2019
- **Colloquium: Anomalous metals: Failed superconductors** *REVIEWS OF MODERN PHYSICS*
  Kapitulnik, A., Kivelson, S. A., Spivak, B.
  2019; 91 (1)
- **A lower bound to the thermal diffusivity of insulators.** *Journal of physics. Condensed matter : an Institute of Physics journal*
  Behnia, K. n., Kapitulnik, A. n.
  2019
- **Two-stage proximity-induced gap opening in topological-insulator-insulating-ferromagnet (BixSb1-x)(2)Te-3-EuS bilayers** *PHYSICAL REVIEW B*
  Yang, Q., Kapitulnik, A.
  2018; 98 (8)
- **Bursting at the seams: Rippled monolayer bismuth on NbSe2** *SCIENCE ADVANCES*
  Fang, A., Adamo, C., Jia, S., Cava, R. J., Wu, S., Felser, C., Kapitulnik, A.
  2018; 4 (4): eaaq0330
- **Particle-hole symmetry reveals failed superconductivity in the metallic phase of two-dimensional superconducting films.** *Science advances*
  Breznay, N. P., Kapitulnik, A.
  2017; 3 (9): e1700612
- **.** *Proceedings of the National Academy of Sciences of the United States of America*
  Zhang, J., Levenson-Falk, E. M., Ramshaw, B. J., Bonn, D. A., Liang, R., Hardy, W. N., Hartnoll, S. A., Kapitulnik, A.
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- **Anomalous thermal diffusivity in underdoped YBa2Cu3O6+x** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Zhang, J., Levenson-Falk, E. M., Ramshaw, B. J., Bonn, D. A., Liang, R., Hardy, W. N., Hartnoll, S. A., Kapitulnik, A.
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- **Self-duality and a Hall-insulator phase near the superconductor-to-insulator transition in indium-oxide films** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Breznay, N. P., Steiner, M. A., Kivelson, S. A., Kapitulnik, A.

2016; 113 (2): 280-285

- **Self-duality and a Hall-insulator phase near the superconductor-to-insulator transition in indium-oxide films.** *Proceedings of the National Academy of Sciences of the United States of America*
  Breznay, N. P., Steiner, M. A., Kivelson, S. A., Kapitulnik, A.
  2016; 113 (2): 280-5
- **Notes on constraints for the observation of Polar Kerr Effect in complex materials** *PHYSICA B-CONDENSED MATTER*
  Kapitulnik, A.
  2015; 460: 151-158
- **A scanning, all-fiber Sagnac interferometer for high resolution magneto-optic measurements at 820 nm** *REVIEW OF SCIENTIFIC INSTRUMENTS*
  Fried, A., Fejer, M., Kapitulnik, A.
  2014; 85 (10)
- **A scanning, all-fiber Sagnac interferometer for high resolution magneto-optic measurements at 820 nm.** *Review of scientific instruments*
  Fried, A., Fejer, M., Kapitulnik, A.
  2014; 85 (10): 103707-?
- **Pulsed laser deposition of high-quality thin films of the insulating ferromagnet EuS** *APPLIED PHYSICS LETTERS*
  Yang, Q. I., Zhao, J., Zhang, L., Dolev, M., Fried, A. D., Marshall, A. F., Risbud, S. H., Kapitulnik, A.
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- **Weak localization effects as evidence for bulk quantization in Bi2Se3 thin films** *PHYSICAL REVIEW B*
  Zhang, L., Dolev, M., Yang, Q. I., Hammond, R. H., Zhou, B., Palevski, A., Chen, Y., Kapitulnik, A.
  2013; 88 (12)
- **Observation of the ghost critical field for superconducting fluctuations in a disordered TaN thin film** *PHYSICAL REVIEW B*
  Breznay, N. P., Kapitulnik, A.
  2013; 88 (10)
- **Emerging weak localization effects on a topological insulator-insulating ferromagnet (Bi2Se3-EuS) interface** *PHYSICAL REVIEW B*
  Yang, Q. I., Dolev, M., Zhang, L., Zhao, J., Fried, A. D., Schemm, E., Liu, M., Palevski, A., Marshall, A. F., Risbud, S. H., Kapitulnik, A.
  2013; 88 (8)
- **Weak antilocalization and disorder-enhanced electron interactions in annealed films of the phase-change compound GeSb2Te4** *PHYSICAL REVIEW B*
  Breznay, N. P., Volker, H., Palevski, A., Mazzarello, R., Kapitulnik, A., Wuttig, M.
  2012; 86 (20)
- **High quality ultrathin Bi2Se3 films on CaF2 and CaF2/Si by molecular beam epitaxy with a radio frequency cracker cell** *APPLIED PHYSICS LETTERS*
  Zhang, L., Hammond, R., Dolev, M., Liu, M., Palevski, A., Kapitulnik, A.
  2012; 101 (15)
- **Charge and spin collective modes in a quasi-one-dimensional model of Sr2RuO4** *PHYSICAL REVIEW B*
  Chung, S. B., Raghu, S., Kapitulnik, A., Kivelson, S. A.
  2012; 86 (6)
- **Hall conductivity dominated by fluctuations near the superconducting transition in disordered thin films** *PHYSICAL REVIEW B*
  Breznay, N. P., Michaeli, K., Tikhonov, K. S., Finkel'stein, A. M., Tendulkar, M., Kapitulnik, A.
  2012; 86 (1)
- **Hidden Quasi-One-Dimensional Superconductivity in Sr2RuO4** *PHYSICAL REVIEW LETTERS*
  Raghu, S., Kapitulnik, A., Kivelson, S. A.
  2010; 105 (13)
- **Polar Kerr effect as probe for time-reversal symmetry breaking in unconventional superconductors** *NEW JOURNAL OF PHYSICS*
  Kapitulnik, A., Xia, J., Schemm, E., Palevski, A.
  2009; 11

- **Search for time-reversal symmetry breaking in unconventional superconductors** *5th International Workshop on Electronic Crystals (ECRYS-2008)*
  Kapitulnik, A., Xia, J., Schemm, E.
  ELSEVIER SCIENCE BV.2009: 507–9
- **Improved constraints on non-Newtonian forces at 10 microns** *PHYSICAL REVIEW D*
  Geraci, A. A., Smullin, S. J., Weld, D. M., Chiaverini, J., Kapitulnik, A.
  2008; 78 (2)
- **Approach to a superconductor-to-Bose-insulator transition in disordered films** *PHYSICAL REVIEW B*
  Steiner, M. A., Breznay, N. P., Kapitulnik, A.
  2008; 77 (21)
- **Polar Kerr-effect measurements of the high-temperature YBa2Cu3O6+x superconductor: Evidence for broken symmetry near the pseudogap temperature** *PHYSICAL REVIEW LETTERS*
  Xia, J., Schemm, E., Deutscher, G., Kivelson, S. A., Bonn, D. A., Hardy, W. N., Liang, R., Siemons, W., Koster, G., Fejer, M. M., Kapitulnik, A.
  2008; 100 (12)
- **New apparatus for detecting micron-scale deviations from Newtonian gravity** *PHYSICAL REVIEW D*
  Weld, D. M., Xia, J., Cabrera, B., Kapitulnik, A.
  2008; 77 (6)
- **STM studies of TbTe3: Evidence for a fully incommensurate charge density wave** *PHYSICAL REVIEW LETTERS*
  Fang, A., Ru, N., Fisher, I. R., Kapitulnik, A.
  2007; 99 (4)
- **Inferring effective interactions from the local density of states: Application to STM data from Bi2Sr2CaCu2O8+delta** *PHYSICAL REVIEW B*
  Jamei, R., Robertson, J., Kim, E., Fang, A., Kapitulnik, A., Kivelson, S. A.
  2006; 74 (17)
- **High resolution polar Kerr effect measurements of Sr2RuO4: Evidence for broken time-reversal symmetry in the superconducting state** *PHYSICAL REVIEW LETTERS*
  Xia, J., Maeno, Y., Beyersdorf, P. T., Fejer, M. M., Kapitulnik, A.
  2006; 97 (16)
- **Feedback control and characterization of a microcantilever using optical radiation pressure** *APPLIED PHYSICS LETTERS*
  Weld, D. M., Kapitulnik, A.
  2006; 89 (16)
- **Distinguishing patterns of charge order: Stripes or checkerboards** *PHYSICAL REVIEW B*
  Robertson, J. A., Kivelson, S. A., Fradkin, E., Fang, A. C., Kapitulnik, A.
  2006; 74 (13)
- **Modified Sagnac interferometer for high-sensitivity magneto-optic measurements at cryogenic temperatures** *APPLIED PHYSICS LETTERS*
  Xia, J., Beyersdorf, P. T., Fejer, M. M., Kapitulnik, A.
  2006; 89 (6)
- **Gap-inhomogeneity-induced electronic states in superconducting Bi2Sr2CaCu2O8+delta** *PHYSICAL REVIEW LETTERS*
  Fang, A. C., Capriotti, L., Scalapino, D. J., Kivelson, S. A., Kaneko, N., Greven, M., Kapitulnik, A.
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- **STM studies of near-optimal doped Bi2Sr2CaCu2O8+delta** *7th International Conference on Spectroscopies in Novel Superconductors (SNS 04)*
  Kapitulnik, A., Fang, A., Howald, C., Greven, M.
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- **Constraints on Yukawa-type deviations from Newtonian gravity at 20 microns** *PHYSICAL REVIEW D*
  Smullin, S. J., Geraci, A. A., Weld, D. M., Chiaverini, J., Holmes, S., Kapitulnik, A.
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- **Superconductivity in the insulating phase above the field-tuned superconductor-insulator transition in disordered indium oxide films** *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*

Steiner, M., Kapitulnik, A.
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- **Possible field-tuned superconductor-insulator transition in high-T-c superconductors: Implications for pairing at high magnetic fields** *PHYSICAL REVIEW LETTERS*
  Steiner, M. A., Boebinger, G., Kapitulnik, A.
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- **Periodic coherence-peak height modulations in superconducting Bi2Sr2CaCu2O8+delta** *PHYSICAL REVIEW B*
  Fang, A., Howald, C., Kaneko, N., Greven, M., Kapitulnik, A.
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- **Coexistence of periodic modulation of quasiparticle states and superconductivity in Bi2Sr2CaCu2O8+delta** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Howald, C., Eisaki, H., Kaneko, N., Kapitulnik, A.
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- **New experimental constraints on non-Newtonian forces below 100 mu m** *PHYSICAL REVIEW LETTERS*
  Chiaverini, J., Smullin, S. J., Geraci, A. A., Weld, D. M., Kapitulnik, A.
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- **Bulk magnetic properties and phase diagram of Li-doped La2CuO4: Common magnetic response of hole-doped CuO2 planes** *PHYSICAL REVIEW B*
  Sasagawa, T., Mang, P. K., Vajk, O. P., Kapitulnik, A., Greven, M.
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- **Superconductor-insulator transition in a capacitively coupled dissipative environment** *PHYSICAL REVIEW B*
  Mason, N., Kapitulnik, A.
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- **Inherent inhomogeneities in tunneling spectra of Bi2Sr2CaCu2O8-x crystals in the superconducting state** *PHYSICAL REVIEW B*
  Howald, C., FOURNIER, R., Kapitulnik, A.
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- **True superconductivity in a two-dimensional superconducting-insulating system** *PHYSICAL REVIEW B*
  Mason, N., Kapitulnik, A.
  2001; 64 (6)
- **Negative deviations from Matthiessen's rule for SrRuO3 and CaRuO3** *EUROPHYSICS LETTERS*
  Klein, L., Kats, Y., Wiser, N., KONCZYKOWSKI, M., Reiner, J. W., Geballe, T. H., Beasley, M. R., Kapitulnik, A.
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  2001; 64 (1)
- **Domain-wall resistivity in SrRuO3: the influence of domain walls spacing** *International Conference on Magnetism*
  Klein, L., Kats, Y., Marshall, A. F., Reiner, J. W., Geballe, T. H., Beasley, M. R., Kapitulnik, A.
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- **Effects of dissipation on quantum phase transitions** *PHYSICAL REVIEW B*
  Kapitulnik, A., Mason, N., Kivelson, S. A., CHAKRAVARTY, S.
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- **Magnetic resistivity in SrRuO3 and the ferromagnetic phase transition** *PHYSICAL REVIEW B*
  Kats, Y., Klein, L., Reiner, J. W., Geballe, T. H., Beasley, M. R., Kapitulnik, A.
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  Takeya, J., Ando, Y., Masuda, T., Tsukada, I., Uchinokura, K., Kapitulnik, A.
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- **Domain wall resistivity in SrRuO3** *PHYSICAL REVIEW LETTERS*
  Klein, L., Kats, Y., Marshall, A. F., Reiner, J. W., Geballe, T. H., Beasley, M. R., Kapitulnik, A.
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- **Extraordinary Hall effect in SrRuO3** *51st Yamada Conference on Strongly Correlated Electron Systems*
  Klein, L., Reiner, J. R., Geballe, T. H., Beasley, M. R., Kapitulnik, A.
  ELSEVIER SCIENCE BV.2000: 608–609
- **Extraordinary Hall effect in SrRuO3** *PHYSICAL REVIEW B*
  Klein, L., Reiner, J. R., Geballe, T. H., Beasley, M. R., Kapitulnik, A.
  2000; 61 (12): R7842-R7845
- **Resistive anomalies at ferromagnetic transitions revisited: The case of SrRuO3 - Klein et al. reply** *PHYSICAL REVIEW LETTERS*
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- **Specific heat of Zn-doped YBa2Cu3O6.95: Possible evidence for Kondo screening in the superconducting state** *PHYSICAL REVIEW B*
  Sisson, D. L., Doettinger, S. G., Kapitulnik, A., Liang, R., Bonn, D. A., Hardy, W. N.
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