

- A1 E.V. Thuneberg and J. Kurkijärvi: Difficulties of supercurrents in narrow pores of $^3\text{He-A}$, *Phys. Lett. A* **86**, 35-37 (1981) [doi].
- A2 E.V. Thuneberg, J. Kurkijärvi, and D. Rainer: Quasiclassical theory of ions in ^3He , *J. Phys. C* **14**, 5615-5624 (1981) [doi].
- A3 E.V. Thuneberg, J. Kurkijärvi, and D. Rainer: Pinning of a vortex line to a small defect in superconductors, *Phys. Rev. Lett.* **48**, 1853-1856 (1982) [doi].
- A4 E.V. Thuneberg, J. Kurkijärvi, and D. Rainer: Elementary flux pinning potential in type II superconductors, *Phys. Rev. B* **29**, 3913-3923 (1984) [doi].
- A5 E.V. Thuneberg: Elementary pinning potential in type II superconductors near H_{c2} , *J. Low Temp. Phys.* **57**, 415-440 (1984) [doi].
- A6 W. Zhang, J. Kurkijärvi, and E.V. Thuneberg: Variation of the order parameter of $^3\text{He-B}$ near a diffusely scattering boundary, *Phys. Lett. A* **109**, 238-240 (1985) [doi].
- A7 E.V. Thuneberg: Elementary pinning potentials in superconductors, in *Proceedings of International Symposium on Flux Pinning and Electromagnetic Properties in Superconductors*, eds. T. Matsushita, K. Yamafuji, and F. Irie, Matsukuma press, Fukuoka, Japan, 26-29 (1985).
- A8 J.V.A. Somerkoski, E.V. Thuneberg, and V.K. Lindroos: Pinning behavior in multifilamentary Nb-46.5w% Ti superconductors, *ibid.*, 106-109 (1985).
- A9 E.V. Thuneberg: Nucleation of superconductivity around weakly scattering defects, *J. Low Temp. Phys.* **62**, 27-37 (1986) [doi].
- A10 E.V. Thuneberg: Surfaces of superfluid $^3\text{He-B}$, *Phys. Rev. B* **33**, 5124-5126 (1986) [doi].
- A11 E.V. Thuneberg: Identification of vortices in superfluid $^3\text{He-B}$, *Phys. Rev. Lett.* **56**, 359-362 (1986) [doi].
- A12 E.V. Thuneberg: Spin-current vortices in superfluid $^3\text{He-B}$, *Europhys. Lett.* **3**, 711-715 (1987) [doi].
- A13 W. Zhang, J. Kurkijärvi, and E.V. Thuneberg: Order parameter of superfluid $^3\text{He-B}$ near surfaces, *Phys. Rev. B* **36**, 1987-1995 (1987) [doi].
- A14 E.V. Thuneberg: Ginzburg-Landau theory of vortices in superfluid $^3\text{He-B}$, *Phys. Rev. B* **36**, 3583-3597 (1987) [doi].
- A15 M.R. Freeman, R.S. Germain, E.V. Thuneberg, and R.C. Richardson: Size effects in thin films of superfluid ^3He , *Phys. Rev. Lett.* **60**, 596-599 (1988) [doi].
- A16 W. Zhang, J. Kurkijärvi, D. Rainer, and E.V. Thuneberg: Andreev scattering of a rough surface of $^3\text{He-B}$, *Phys. Rev. B* **37**, 3336-3343 (1988) [doi].
- A17 E.V. Thuneberg: Two dimensional Ginzburg-Landau simulation of the Josephson effect in superfluid ^3He , *Europhys. Lett.* **7**, 441-446 (1988) [doi].
- A18 E.V. Thuneberg: Elementary pinning potentials in superconductors with anisotropic Fermi surface, *Cryogenics* **29**, 236-244 (1989) [doi].
- A19 E.V. Thuneberg, J. Kurkijärvi, and J.A. Sauls: Quasiclassical theory of the Josephson effect in superfluid ^3He , *Physica B* **165&166**, 755-756 (1990) [doi].
- A20 J.S. Korhonen, A.D. Gongadze, Z. Janu, Y. Kondo, M. Krusius, Yu.M. Mukharsky, and E.V. Thuneberg: Order parameter textures and boundary conditions in rotating vortex-free $^3\text{He-B}$, *Phys. Rev. Lett.* **65**, 1211-1214 (1990) [doi].
- A21 E.V. Thuneberg and J.P. Pekola: Superfluid ^3He : Theory and recent experiments, *Europhys. News* **22**, 3-7 (1991).
- A22 E.V. Thuneberg: A-B interface of superfluid ^3He in a magnetic field, *Phys. Rev. B* **44**, 9685-9691 (1991) [doi].
- A23 E.V. Thuneberg: Some considerations on the equilibrium A-B interface, *Physica B* **178**, 168-175 (1992) [doi].

- A24 E.V. Thuneberg, M. Fogelström, and J. Kurkijärvi: Diffusely scattering surface in superfluid ^3He , *Physica B* **178**, 176-180 (1992) [doi].
- A25 Y. Kondo, J.S. Korhonen, M. Krusius, V.V. Dmitriev, E.V. Thuneberg, and G.E. Volovik: Combined spin-mass vortex with soliton tail in superfluid $^3\text{He-B}$, *Phys. Rev. Lett.* **68**, 3331-3334 (1992) [doi].
- A26 J.S. Korhonen, Yu.M. Bunkov, V.V. Dmitriev, Y. Kondo, M. Krusius, Yu.M. Mukharskiy, Ü. Parts, and E.V. Thuneberg: Homogeneous spin precession in rotating vortex-free $^3\text{He-B}$: Measurement of superfluid density anisotropy, *Phys. Rev. B* **46**, 13983-13990 (1992) [doi].
- A27 J.S. Korhonen, Y. Kondo, M. Krusius, E.V. Thuneberg, and G.E. Volovik: Observation of combined spin-mass vortices in rotating $^3\text{He-B}$, *Phys. Rev. B* **47**, 8868-8885 (1993) [doi].
- A28 E.V. Thuneberg: A microscopic model for the nonequilibrium proximity effect in superconductor-normal metal junctions, *J. Low Temp. Phys.* **91**, 49-79 (1993) [doi].
- A29 Ü. Parts, Y. Kondo, J.S. Korhonen, M. Krusius, and E.V. Thuneberg: Vortex layer on the interface between the A and B phases in superfluid ^3He , *Phys. Rev. Lett.* **71**, 2951-2954 (1993) [doi].
- A30 M. Krusius, E.V. Thuneberg, and Ü. Parts: A-B phase transition in rotating superfluid ^3He , *Physica B* **197**, 376-389 (1994) [doi].
- A31 J.B. Kycia, T.M. Haard, M.R. Rand, H.H. Hensley, G.F. Moores, Y. Lee, P.J. Hamot, D.T. Sprague, W.P. Halperin, and E.V. Thuneberg: High resolution nuclear magnetic resonance of superfluid $^3\text{He-B}$, *Phys. Rev. Lett.* **72**, 864-867 (1994) [doi].
- A32 Ü. Parts, E.V. Thuneberg, G.E. Volovik, J.H. Koivuniemi, V.M.H. Ruutu, M. Heinilä, J.M. Karimäki, and M. Krusius: Vortex sheet in rotating superfluid $^3\text{He-A}$, *Phys. Rev. Lett.* **72**, 3839-3842 (1994) [doi].
- A33 Ü. Parts, J.H. Koivuniemi, M. Krusius, V.M.H. Ruutu, E.V. Thuneberg, and G.E. Volovik: Bragg reflection from equidistant planes of vortex-sheets in rotating $^3\text{He-A}$, *Pis'ma Zh. Eksp. Teor. Fiz.* **59**, 816-820 (1994) [*JETP Lett.* **59**, 851-856 (1994)].
- A34 E.V. Thuneberg: Introduction to the vortex sheet of superfluid $^3\text{He-A}$, *Physica B* **210**, 287-299 (1995) [doi].
- A35 Ü. Parts, V.M.H. Ruutu, J.H. Koivuniemi, M. Krusius, E.V. Thuneberg, and G.E. Volovik: Measurements on the vortex sheet in rotating superfluid $^3\text{He-A}$, *Physica B* **210**, 311-333 (1995) [doi].
- A36 Ü. Parts, J.M. Karimäki, J.H. Koivuniemi, M. Krusius, V.M.H. Ruutu, E.V. Thuneberg, and G.E. Volovik: Phase diagram of vortices in superfluid $^3\text{He-A}$, *Phys. Rev. Lett.* **75**, 3320-3323 (1995) [doi].
- A37 E.V. Thuneberg: How should we understand curved facets? *J. Low Temp Phys.* **106**, 575-579 (1997) [doi].
- A38 V.M.H. Ruutu, J. Kopu, M. Krusius, Ü. Parts, B. Placais, E.V. Thuneberg, and Wen Xu: Critical velocity in rotating superfluid $^3\text{He-A}$, *Phys. Rev. Lett.* **79**, 5058-5061 (1997) [doi].
- A39 E.V. Thuneberg, S. Yip, M. Fogelström, and J.A. Sauls: Models for superfluid ^3He in aerogel, *Phys. Rev. Lett.* **80**, 2861-2864 (1998) [doi].
- A40 R. Hänninen, T. Setälä, and E.V. Thuneberg: Homogeneous scattering model for impure superfluid ^3He , *Physica B* **255**, 11-18 (1998) [doi].
- A41 E.V. Thuneberg: Ginzburg-Landau theory for impure superfluid ^3He , in *Quasiclassical methods in superconductivity and superfluidity*, *Verditz 96*, eds. D. Rainer and J.A. Sauls (1998), p. 53-69, [cond-mat/9802044](https://arxiv.org/abs/cond-mat/9802044).
- A42 O.V. Lounasmaa and E. Thuneberg: Vortices in rotating superfluid ^3He , *Proc. Natl. Acad. Sci. USA* **96**, 7760-7767 (1999) [doi].

- A43 N.B. Kopnin and E.V. Thuneberg: Time-dependent Ginzburg-Landau analysis of inhomogeneous normal-superfluid transitions, *Phys. Rev. Lett.* **83**, 116-119 (1999) [doi].
- A44 J. Viljas and E.V. Thuneberg: Theory of the π -state in ^3He Josephson junctions, *Phys. Rev. Lett.* **83**, 3868-3871 (1999) [doi].
- A45 J.M. Karimäki and E.V. Thuneberg: Periodic vortex structures in superfluid ^3He -A, *Phys. Rev. B.* **60**, 15290-15301 (1999) [doi].
- A46 J. Kopu, R. Schanen, R. Blaauwgeers, V.B. Eltsov, M. Krusius, J.J. Ruohio, and E.V. Thuneberg: NMR line shape of rotating ^3He -B at large counterflow velocity, *J. Low Temp. Phys.* **120**, 213-132 (2000) [doi].
- A47 J. Kopu, R. Hänninen, and E.V. Thuneberg: One-dimensional textures and critical velocity in superfluid ^3He -A, *Phys. Rev. B* **62**, 12374-12380 (2000) [doi].
- A48 E.V. Thuneberg: Hydrostatic theory of superfluid ^3He -B, *J. Low Temp. Phys.* **122**, 657-682 (2001) [doi].
- A49 J. Kopu and E.V. Thuneberg: Soliton-limited superflow in ^3He -A between parallel plates, *J. Low Temp. Phys.* **124**, 147-162 (2001) [doi].
- A50 V.B. Eltsov, R. Blaauwgeers, N.B. Kopnin, M. Krusius, J.J. Ruohio, R. Schanen, and E.V. Thuneberg: Transitions from vortex lines to sheets: interplay of topology and dynamics in an anisotropic superfluid, *Phys. Rev. Lett.* **88**, 65301 (2002), (4 pages) [doi].
- A51 J. Viljas and E.V. Thuneberg: Pinhole calculations of the Josephson effect in ^3He -B, *Phys. Rev. B* **65**, 64530 (2002), (19 pages) [doi].
- A52 J. Viljas and E.V. Thuneberg: Equilibrium simulations of 2D weak links in p-wave superfluids, *J. Low Temp. Phys.* **129**, 423-471 (2002) [doi].
- A53 R. Hänninen and E.V. Thuneberg: Model of inhomogeneous impurity distribution in Fermi superfluids, *Phys. Rev. B* **67**, 214507 (2003), (11 pages) [doi].
- A54 R. Hänninen, R. Blaauwgeers, V.B. Eltsov, A.P. Finne, M. Krusius, E.V. Thuneberg, and G.E. Volovik: Structure of surface vortex sheet between two rotating ^3He superfluids, *Phys. Rev. Lett.* **90**, 225301 (2003), (4 pages) [doi].
- A55 R. Hänninen and E.V. Thuneberg: Calculation of NMR Properties of Solitons in Superfluid ^3He -A, *Phys. Rev. B* **68**, 094504 (2003), (11 pages) [doi].
- A56 J.K. Viljas and E.V. Thuneberg: Dissipative currents in superfluid ^3He weak links, *Phys. Rev. Lett.* **93**, 205301 (2004), (4 pages) [doi].
- A57 J.K. Viljas and E.V. Thuneberg: Textural effects and spin-wave radiation in superfluid ^3He weak links, *J. Low Temp. Phys.* **136**, 329-342 (2004) [doi].
- A58 A.P. Finne, V.B. Eltsov, G. Eska, R. Hänninen, J. Kopu, M. Krusius, E.V. Thuneberg, and M. Tsubota: Vortex multiplication in applied flow: the precursor to superfluid turbulence, *Phys. Rev. Lett.* **96**, 085301 (2006), (4 pages) [doi].
- A59 V.B. Eltsov, A.P. Finne, R. Hänninen, J. Kopu, M. Krusius, M. Tsubota, and E.V. Thuneberg: Twisted vortex state, *Phys. Rev. Lett.* **96**, 215302 (2006), (4 pages) [doi].
- A60 J. Leppäkangas and E.V. Thuneberg: Coherent tunneling of Cooper pairs in asymmetric single-Cooper-pair transistors, AIP conference proceeding **850**, 947 (2006), (2 pages) [doi].
- A61 E.V. Thuneberg: Theory of Josephson phenomena in superfluid ^3He , AIP conference proceeding **850**, 103 (2006), (6 pages) [doi].
- A62 T. Virtanen and E.V. Thuneberg: Force on a slow object in a Fermi liquid in the ballistic limit, AIP conference proceeding **850**, 113 (2006), (2 pages) [doi].
- A63 J. Leppäkangas, E. Thuneberg, R. Lindell, and P. Hakonen: Tunneling of Cooper pairs across voltage biased asymmetric single-Cooper-pair transistors, *Phys. Rev. B* **74**, 054504 (2006), (9 pages) [doi].

- A64 L.T. Kurki and E.V. Thuneberg: Boundary conditions at the bulk-aerogel interface of superfluid $^3\text{He-B}$, *J. Low Temp. Phys.* **146**, 59-70 (2007) [doi].
- A65 T. Hyart, K.N. Alekseev, and E.V. Thuneberg: Bloch gain in dc-ac-driven semiconductor superlattices in the absence of electric domains, *Phys. Rev. B* **77**, 165330 (2008) (13 pages) [doi].
- A66 J. Leppäkangas and E. Thuneberg: Effect of decoherence on resonant Cooper-pair tunneling in a voltage-biased single-Cooper-pair transistor, *Phys. Rev. B* **78**, 144518 (2008), (13 pages) [doi].
- A67 D. Gunnarsson, J. Tuorila, A. Paila, J. Sarkar, E. Thuneberg, Yu. Makhlin, and P. Hakonen: Vibronic spectroscopy of an artificial molecule, *Phys. Rev. Lett.* **101**, 256806 (2008), (4 pages) [doi].
- A68 L.S. Bishop, J.M. Chow, J. Koch, A.A. Houck, M.H. Devoret, E. Thuneberg, S.M. Girvin, and R.J. Schoelkopf: Nonlinear response of the vacuum Rabi resonance, *Nature Phys.* **5**, 105-109 (2009) [doi].
- A69 T.H. Virtanen and E.V. Thuneberg: Effect of container walls on vibrating wire in $^3\text{He-}^4\text{He}$ mixtures in the ballistic limit, *Journal of Physics: Conference Series* **150**, 032115 (2009), (4 pages) [doi].
- A70 J. Leppäkangas and E. Thuneberg: Energy-band dynamics in a current-biased Josephson junction probed by incoherent Cooper-pair tunneling, *Journal of Physics: Conference Series* **150**, 022050 (2009), (4 pages) [doi].
- A71 J. Tuorila and E.V. Thuneberg: Energy flow in a dispersive qubit read-out, *Journal of Physics: Conference Series* **150**, 022092 (2009), (4 pages) [doi].
- A72 A. Paila, J. Tuorila, M. Sillanpää, D. Gunnarsson, J. Sarkar, Yu. Makhlin, E. Thuneberg, and P. Hakonen: Interband transitions and interference effects in superconducting qubits, *Quantum Inf. Process.* **8**, 245-259 (2009) [doi].
- A73 T. Hyart, K.N. Alekseev, A. Leppänen, and E.V. Thuneberg: Terahertz Bloch oscillator with suppressed electric domains: effect of elastic scattering, *Int. J. Mod. Phys. B* **23**, 4459-4472 (2009) [doi].
- A74 J. Tuorila, M. Silveri, M. Sillanpää, E. Thuneberg, Yu. Makhlin, and P. Hakonen: Stark effect and generalized Bloch-Siegert shift in a strongly driven two-level system, *Phys. Rev. Lett.* **105**, 257003 (2010), (4 pages) [doi].
- A75 Yu.A. Pashkin, H. Im, J. Leppäkangas, T.F. Li, O. Astafiev, A.A. Abdumalikov Jr., E. Thuneberg, and J.S. Tsai: Charge transport through ultrasmall single and double Josephson junctions coupled to resonant modes of the electromagnetic environment, *Phys. Rev. B* **83**, 020502(R) (2011), (4 pages) [doi].
- A76 T.H. Virtanen and E.V. Thuneberg: Pendulum in Fermi liquid, *Phys. Rev. Lett.* **106**, 055301 (2011), (4 pages) [doi].
- A77 E.V. Thuneberg and T.H. Virtanen: Fermi liquid theory of Fermi-Bose mixtures, *Phys. Rev. B* **83**, 245137 (2011), (7 pages) [doi].
- A78 T.H. Virtanen and E.V. Thuneberg: Fermi liquid theory applied to vibrating wire measurements in $^3\text{He-}^4\text{He}$ mixtures, *Phys. Rev. B* **83**, 224521 (2011), (14 pages) [doi].
- A79 T.H. Virtanen and E.V. Thuneberg: Fermi liquid in a torsional oscillator, *Journal of Physics: Conference Series* **400**, 012074 (2012), (4 pages) [doi].
- A80 J. M. Karimäki, R. Hänninen and E.V. Thuneberg: Asymptotic motion of a single vortex in a rotating cylinder, *Phys. Rev. B* **85**, 224519, (9 pages) [doi].
- A81 J. Li, M.P. Silveri, K.S. Kumar, J.-M. Pirkkalainen, A. Vepsäläinen, W.C. Chien, J. Tuorila, M.A. Sillanpää, P.J. Hakonen, E.V. Thuneberg and G.S. Paraoanu: Motional averaging in a superconducting qubit, *Nat. Commun.* **4**, 1420 (2013), (6 pages) [doi].