

Referências Bibliográficas

- [1] S. Datta, *Electronic Transport in Mesoscopic Systems* (Cambridge University Press, Cambridge, England, 1995). S. Datta.
- [2] Laercio Costa Ribeiro, Dissertação de Mestrado "Transporte fora do equilíbrio em estruturas de pontos quânticos" PUC-Rio.
- [3] Ned S. Wingreen, *Science*, V.304, 1258-1259, 28 May 2004. 1.2
- [4] James R. Healyh and Mark A. Ratner, *Physics Today* pag. 43 maio (2003).
- [5] M. A. Kastner, *Physics Today* Pag. 24 January (1993). 1.2
- [6] U. Meirav, M. A. Kastner and S. J. Wind, *Phys. Rev. Lett.* 65, 771, (1990). 1.2
- [7] M. A. Kastner, *Ann. Phys. (Leipzig)*, 9 (2000) 11-12, 885-894. 1.2
- [8] M. A. Kastner J. H. F Scot-Thomas, S. B. Field, *Phys. Rev. Lett.*, 62:583, 1989.1.2
- [9] J. W. Gadzuk and M. Plihal. Quantum mirages in scanning tunneling spectroscopy of Kondo adsorbates: Vibrational signatures. 68:235413, 2003. 1.1
- [10] Leo Kouwenhoven and Leonid Glazman, "Revival of the Kondo effect", *Physics World*, January 2001. 1.1, 1.2
- [11] Sara M. Cronenwett, Tjerk H. Oosterkamp, Leo P. Kouwenhoven, *Science*, V. 281, P.540, 24 july (1998). 1.2
- [12] Lam H. Yu and Douglas Natelson, *Nano Letters*, V. 4. N.1 79-83, (2004).
- [13] D. Goldhaber-Gordon, Hadas Shtrikman, D. Mahalu, David Abusch-Magder, U. Meirav and M. A. Kastner, *Nature*, V. 391, 156-158, January (1998). 1.2
- [14] D. Goldhaber-Gordon, J. Gores, M. A. Kastner, Hadas Shtrikman, D. Mahalu, and U. Meirav, *PRL* V. 81 N.23 (1998). 1.2

- [15] A. Kogan, S. Amasha, D. Goldhaber-Gordon, G. Granger, M. A. Kastner, and Hadas Shtrikman, PRL, V. 93. N.16, (2004).
- [16] Wenjie Liang, Matthew P. Shores, Marc Bockrath, Jeffrey R. Long and Hongkun Park, Nature, Vol. 417, (2002).
- [17] E. V. Anda, G. Chiappe, C.A. Busser, M.A. Davidovich, G. B. Martins, . F. Heidrich-Meisner and E. Dagotto, Physical Review B 78, 085308 (2008) 1.2, 1.3, 4.1, 6.1, 6.1, 6.5, 6.5
- [18] R. M. Potok, I. G. Rau, Hadas Shtrikman, Yuval Oreg, D. Goldhaber Gordon, nature 05556, Vol 446, 8 March 2007 1.2, 1.3, 6.1
- [19] W. G. Van der Wiel, S. De Franceschi, J. M. Elzerman, S. Tarucha, and L. P. Kouwenhoven, Phys. Rev. Lett. 88, 12 (2002) 1.2
- [20] H. B. Heersche, Z. de Groot, J. A. Folk, L. P. Kouwenhoven, and H. S. J. van der Zant, arXiv:cond-mat/0508395 v1. 1.2
- [21] G. Granger, M. A. Kastner, Iuliana Radu, M. P. Hanson, and A. C. Gossard, Physical Review B 72, 165309 (2005). 1.2
- [22] A. Posazhennikova, B. Bayani, and P. Coleman, Physical Review B 75, 245329 (2007).
- [23] G. Chiappe, E. V. Anda, L. Costa Ribeiro, and E. Louis; Physical Review B 81, 041310 (R) (2010) 6.1, 6.2, 6.2.1, 6.2.1, 6.5, 6.5
- [24] 1A. Barenco, C. H. Bennett, R. Cleve, D. P. DiVincenzo, N. Margolus, P. Shor, T. Sleator, J. A. Smolin, and H. Weinfurter, Phys. Rev. A 52, 3457 (1995). 6.1, 6.2, 6.2.1
- [25] 2D. Loss and D. P. DiVincenzo, Phys. Rev. A 57, 120 (1998). 6.1
- [26] 8P. A. Orellana, G. A. Lara, and E. V. Anda, Phys. Rev. B 74, 193315 2006
- [27] Jörg Lehmann,¹ Alejandro Gaita-Ariño,^{1, 2} Eugenio Coronado,² and Daniel Loss¹, Nature Nanotechnology 2, 312-317 1 May 2007 6.1, 6.2.1
- [28] P. S. Cornaglia and D. R. Grempel, Phys. Rev. B 71, 075305 (2005).
- [29] J. R. Petta, A. C. Johnson, J. M. Taylor, E. A. Laird, A. Yacoby, M. D. Lukin, C. M. Marcus, M. P. Hanson, and A. C. Gossard, Science 309, 2180 (2005) 6.1

- [30] P. Nordlander, M. Pustilnik, Y. Meir, N. S. Wingreen, and D. C. Langreth, Phys. Rev. Lett. 83, 808 1999 6.2.1
- [31] C. A. Büsser, G. B. Martins, L. Costa Ribeiro, E. Vernek, E. V. Anda, and E. Dagotto; Physical Review B 81, 045111 (2010)
- [32] Edson Verneck, Tese de Doutorado, "Propriedades de transporte de sistemas nanoscópicos: átomos e moléculas", PUC-Rio. 2, 1, 4.1
- [33] Bing Dong and X L Lei, J. Phys.: Condens. Matter 13 (2001) 9245-9258 2
- [34] G. Kotliar and A. E. Ruckenstein, Phys. Rev. Lett. 57, 1362 (1986) 2, 3.1, 4.1
- [35] D. M. Newns and N. Reed, Advances in Physics 36, 799 (1987) 2
- [36] 3W. G. van der Wiel, S. De Franceschi, J. M. Elzerman, T. Fujisawa, S. Tarucha, and L. P. Kouwenhoven, Rev. Mod. Phys. 75, 1 (2002)
- [37] 4C. A. Büsser, E. V. Anda, A. L. Lima, M. A. Davidovich, and G. Chiappe, Phys. Rev. B 62, 9907 (2000).
- [38] P. W. Anderson, Phys. Rev. 124, 41 (1961). 1.2, 2.1, 3.4.2, 4.1
- [39] J. Kondo, Prog. Of theor. Phys. 32, 37(1964). 3.4.2, 4.1
- [40] P. S. Cornaglia and D. R. Grempel. Phys. Rev. B, 71:075305, 2005. 4.1
- [41] Bing Dong and X. L. Lei. Phys. Rev. B, 65:241304(R), 2002. 4.5, 4.5.2 4.1
- [42] C. A. Busser, G. B. Martins, and K. A. Al-Hassanieh. 70:245303, 2004. 4.1
- [43] V. M. Apel, Maria A. Davidovich, and G. Chiappe. Phys. Rev. B, 72(12):125302, 2005. 4.1
- [44] A. C. Hewson. The Kondo problem to heavy fermions. Cambridge University Press, 1993. 1.2, 4.1, 4.4.3
- [45] Tomosuke Aono and Mikio Eto, Physical Review B, V. 63, 125327 4.1, 4.4.3
- [46] H. Jeong, A. M. Chang, M. R. Melloch, Science 293, 2221 (2001); 4.1

- [47] L. V. Keldysh. Diagram Technique for Nonequilibrium Processes. Zh. Eksp. Teor. Fiz., 47:1515, 1964. 4.2.3
- [48] M. C. Rogge and R. J. Haug, Phys. Rev. B 77, 193306 (2008)
- [49] M. Hentschel, D. C. B. Valente, E. R. Mucciolo, and H. U. Baranger, Phys. Rev. B 76, 235309 (2007)
- [50] L. Gaudreau, S. A. Studenikin, A. S. Sachrajda, P. Zawadzki, A. Kam, J. Lapointe, M. Korkusinski, and P. Hawrylak, Phys. Rev. Lett. 97, 036807 (2006).
- [51] R. Zitko, J. Bonca, A. Ramsak, and T. Rejec, physical Review B, V. 73. N.153307, (2006).
- [52] Goldhaber-Gordon, H. Shtrikman, D. Mahalu, D. Abusch-Magder, U. Meirav, and M. A. Kastner, Nature London 391,156 1998
- [53] E. S. Sørensen and I. Affleck, Phys. Rev. B 53, 9153 1996 3.1, 3.2
- [54] E. S. Sørensen and I. Affleck, Phys. Rev. Lett. 94, 086601 (2005) 3.1
- [55] H. C. Manoharan, C. P. Lutz, and D. M. Eigler, Nature (London) 403, 512 (2000)
- [56] J. E. Gubernatis, J. E. Hirsch, and D. J. Scalapino, Phys. Rev. B 35, 8478 1987 3.2
- [57] E. S. Sørensen and I. Affleck, arXiv:cond-mat/9508030 (unpublished); V. Barzykin and I. Affleck, Phys. Rev. Lett. 76, 4959 (1996); P. Simon and I. Affleck, ibid. 89, 206602 (2002); P. Simon and I. Affleck, Phys. Rev. B 68, 115304 (2003); K. Ingersent, A. W. W. Ludwig, and I. Affleck, Phys. Rev. Lett. 95, 257204 (2005) 3.2
- [58] I. Affleck, L. Borda, and H. Saleur, Phys. Rev. B 77, 180404(R) (2008) 3.3, 4.3
- [59] G. Bergmann, Phys. Rev. B 77, 104401 (2008); G. Bergmann, arXiv:0901.3347 (unpublished) 3.2
- [60] G. Bergmann, Phys. Rev. B 78, 195124 (2008)
- [61] C. J. Gazza, M. E. Torio, and J. A. Riera, Phys. Rev. B 73, 193108 (2006); S. Costamagna, C. J. Gazza, M. E. Torio, and J. A. Riera, ibid. 74, 195103 (2006) 3.2

- [62] L. Borda, Phys. Rev. B 75, 041307(R) (2007) 3.2
- [63] A. Holzner, I. McCulloch, U. Schollwöck, J. von Delft, and F. Heidrich-Meisner, arXiv:0906.2933 (unpublished)
- [64] J. Simonin, arXiv:0708.3604 (unpublished) 3.1, 3.2
- [65] V. Ferrari, G. Chiappe, E. V. Anda, and M. A. Davidovich, Phys. Rev. Lett. 82, 5088(1999). A. A. Busser, E. V. Anda, A. L. Lima, M. A. Davidovich, and G. Chiappe, Phys. Rev. B 62, 9907 (2000); C. A. Busser, G. B. Martins, K. A. Al-Hassanieh, A. Moreo, and E. Dagotto, Phys. Rev. B 70, 245303(2004); G. B. Martins, C. A. Busser, K. A. Al-Hassanieh, E. V. Anda, A. Moreo, and E. Dagotto, Phys. Rev. Lett. 96, 066802(2006). 3.1, 3.4.1
- [66] K. G. Wilson, Rev. Mod. Phys. 47 (1975) 773. 3.1
- [67] Comunicação privada, A. Holzner et al. 3.2
- [68] J. Hubbard, Proc. Roy. Soc. A 276, 238 (1963). 3.1, 3.3
- [69] E. Dagotto, Rev. Mod. Phys. 66, 763(1994). 3.4.1
- [70] K. Chen and C. Jayaprakash, Phys. Rev. B 52, 14436(1995). 3.4.2
- [71] R. A. Bulla, T. A. Costi, and T. Pruschke, Rev. Mod. Phys. 80, 395 (2008). 3
- [72] Peter Fulde, Electron Correlation in Molecules and Solids 5.5.3
- [73] Comunicação privada do professor George Martins da Universidade de Oakland, Michigan. 5.5.1
- [74] Y. Yafet, Phys. Rev. B V.36, N.7 (1987) 7.4
- [75] D. N. Aristov, Phys. Rev. B V.55, N.13 (1997) 5.1, 7.4
- [76] V. I. Litvinov* and V. K. Dugaev, Phys. Rev. B V. 58, (1998) 7.4
- [77] C. Kittel, Quantum theory of Solids (1963) 7.4
- [78] Martins GB, Busser CA, Al-Hassanieh KA, Anda EV, Moreo A, Dagotto E ,Physical Review Letters 96 (6) 066802 (2006) 7.4
- [79] M. A. Ruderman; C. Kittel, Phys. Rev. 96, 99(1954) 3.1
- [80] T. Kasuya, Prog. Of Theor. Phys. 16, 45 (1956) 3.1
- [81] K. Yosida, Phys. Rev. 107, 396 (1954) 3.1