Abstract Submitted
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Coherence in the two-impurity Kondo problem LIJUN ZHU, C.M. VARMA, University of California, Riverside — We use the Wilson's renormalization group method to investigate the splitting of the even and odd Kondo resonances in the problem of two interacting Kondo impurities which presages the band-width or the coherence scale in the heavy-Fermion lattice. A finite splitting requires both potential scattering V which lifts particle-hole degeneracy and a difference between the exchange in the even and the odd parity channels(Je-Jo)[1]. We also investigate the elimination of the quantum critical point in the two-impurity Kondo problem[2] due to loss of particle-hole symmetry. [1] I. Affleck and A. W. W. Ludwig, Phys. Rev. Lett. 68, 1046(1992). [2] B. A. Jones, C. M. Varma, and J. W. Wilkins, Phys. Rev. Lett. 61, 125(1988).

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