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The Gap Function for a 2-leg t-J Ladder[1] DOUGLAS SCALAPINO, University of California, Santa Barbara, DIDIER POILBLANC, Laboratoire de Physique Théorique - Université Paul Sabatier, Toulouse, France — The wave vector and frequency dependence of the gap function $\phi(k, \omega)$ for a doped 2-leg t-J ladder is obtained from a Lanczos calculation. Based upon this information, we argue that the pairing interaction is (1) short range in space, (2) retarded, and (3) dominated by the S=1 channel near its onset.

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Douglas Scalapino
University of California, Santa Barbara

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