

Abstract Submitted
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Quasi-particle properties in iron-based superconductors¹ XIANG HU, CHIN-SEN TING, Texas Center for Superconductivity, University of Houston, JIAN-XIN ZHU, Theoretical Division, Los Alamos National Laboratory — The pairing symmetry is one of the major issues in the study of iron-based superconductors. We adopted a minimum two band model, to introduce the two-band Bogoliubov de Gennes equations. By solving those equations numerically, we checked the possibilities of different pairing symmetry, and made some predictions which can be tested by future experiments in spectrum tunnelling microscopy.

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