Formulation of Green's Function in Solving Schrödinger Equation for Bipartite System with Kinetic Coupling Gained by Virtue of Entangled States

FAN Hong-Yi[1,2] and LIU Qiu-Yu[3]

[1] Department of Material Science and Engineering, University of Science and Technology of China, Hefei 230026, China
[2] Department of Physics, Shanghai Jiao Tong University, Shanghai 200030, China
[3] Department of Modern Physics, University of Science and Technology of China, Hefei 230026, China

Abstract: Using the entangled state representation we present a formulation of Green's function in solving Schrödinger equation for bipartite system with kinetic coupling.

[Full text: PDF]

Close