

Abstract Submitted
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A general method for testing validity of one-particle spectral functions JUN LIU — Based on the fact that the one-particle spectral function is uniquely extracted from a temperature Green function, a scheme is proposed to test the validity of a one-particle spectral function derived from any temperature Green function of any interacting system under thermal equilibrium. The physical implication of the scheme is discussed. An example is worked out to explicitly show the effectiveness of the scheme.

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