

Erratum on “The Phonon Boltzmann Equation, Properties and Link to Weakly Anharmonic Lattice Dynamics”

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Received May 22, 2006; accepted May 31, 2006
Published Online: June 21, 2006

In the step from (12.20) to (12.22), proof of Proposition 12.1, the constraint to Λ_ω has been overlooked. Thus Proposition 12.1 is invalid. The characterization of the collisional invariants for 3-phonon processes remains as an open problem. As discussed in a forthcoming note,⁽¹⁾ for 4-phonon processes the situation is more favorable, since there are less severe constraints in wave number space.

REFERENCE

1. H. Spohn, Collisional invariants for the phonon Boltzmann equation, *J. Stat. Phys.*, to appear.

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