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Diffusion of phonons through (along and across) the ultrathin crystalline films

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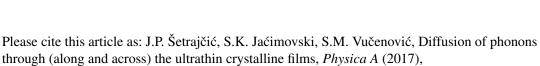
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Highlights

- The momentum-momentum Green's functions were used to calculate the diffusion tensor.
- These functions enter into Kubo's formula defining diffusion properties of the system.
- Boundary conditions are included through the Hamiltonian of the film-structure.
- The elements of the diffusion tensor express discrete behavior of the dispersion law
- The diffusion tensor elements are temperature independent.

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