Supplementary Materials: Thermo-Elasticity of Materials from Quasi-Harmonic Calculations

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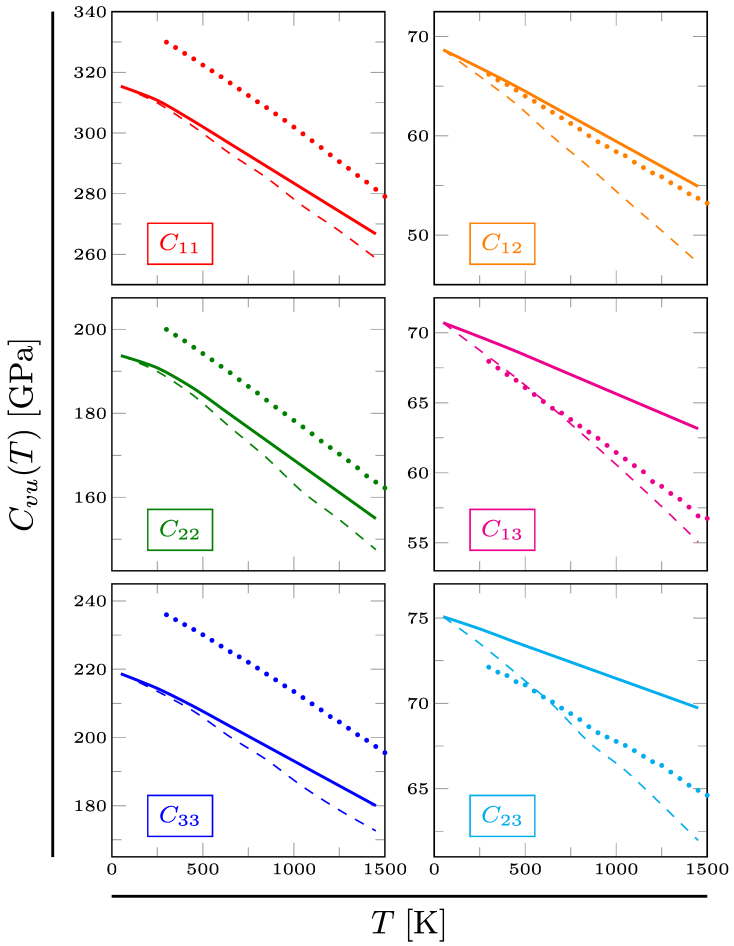

Figure S1. Single-crystal elastic stiffness constants of forsterite as a function of temperature. Circles are experimental adiabatic data. Dashed lines are isothermal quasi-harmonic computed values while continuous lines are adiabatic quasi-harmonic computed values.

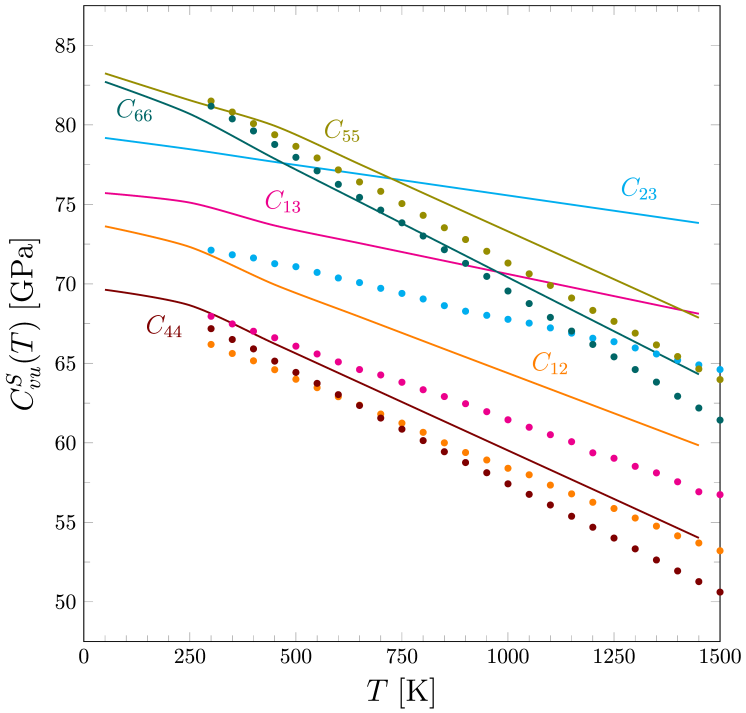

Figure S2. Single-crystal elastic stiffness constants of forsterite as a function of temperature. Circles are experimental adiabatic data. Continuous lines are adiabatic quasi-harmonic computed values.

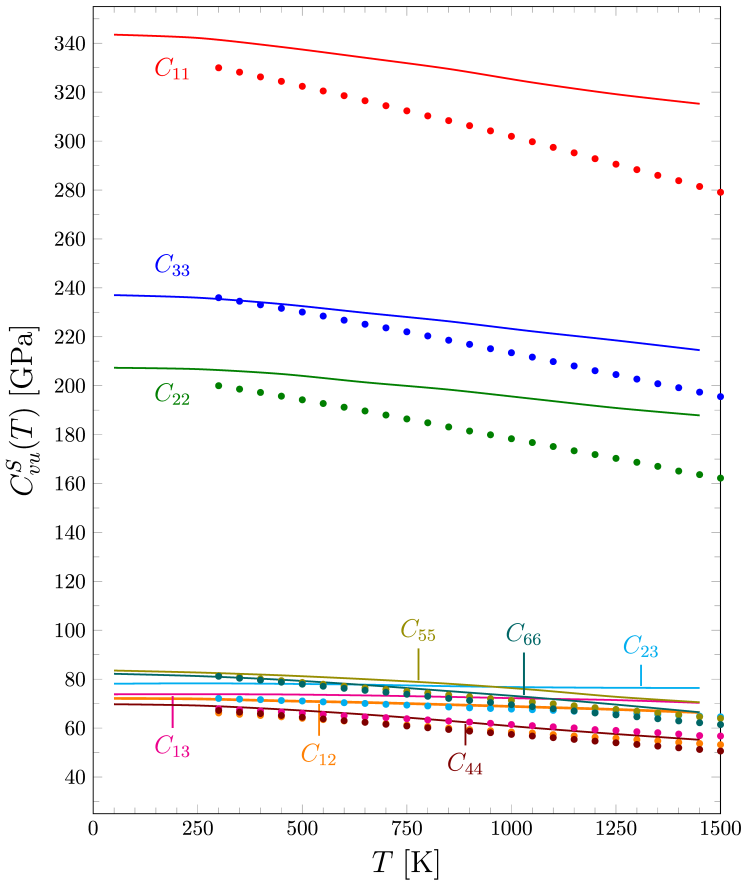

Figure S3. Adiabatic single-crystal elastic stiffness constants of forsterite as a function of temperature. Circles are experimental data while lines correspond to values computed with the quasi-static approximation.