

## THERMAL CONDUCTIVITY OF SOLID $\text{CCl}_4$

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### S u m m a r y

The isobaric thermal conductivity of solid  $\text{CCl}_4$  is studied in the temperature range 80 - 250 K. The isobaric data recalculation on a fixed molar volume is done. The contributions of the phonon-phonon (Umclapp-processes) and phonon-rotation interactions to total thermal resistance are calculated by the modified method of reduced coordinates. The growth of the isochoric thermal conductivity is explained by a weakening of the scattering of phonons by collective rotational excitations of molecules as the correlation of rotations weakens.