

INVESTIGATION OF THE DISPERSION OF
PHONON MODES IN CdI₂ SINGLE CRYSTALS
BY A METHOD OF INELASTIC SCATTERING
OF THERMAL NEUTRONS

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S u m m a r y

Experimental observation using a method of inelastic scattering of thermal neutrons the longitudinal phonons in the $G-Z$, $G-X$ and $G-L$ directions in CdI₂ single crystal has been obtained. The phonon subsystem observed in the case of CdI₂ single crystals is two dimensional. This is because of the fact that interlayer interactions are weak in compare to intralayer interactions.