

DISPERSION ANALYSIS OF REFLECTANCE
SPECTRA OF CRYSTALS Ag_2CdI_4
AND Ag_2HgI_4 IN THE FAR
IR REGION

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S u m m a r y

We have investigated the reflectance spectra of superionic crystals Ag_2CdI_4 and Ag_2HgI_4 in the range 20–160 cm^{-1} and carried out their dispersion analysis in order to determine the main parameters of vibrational oscillators forming the reflectance bands in the far IR region. The force constants of the bonds between ions as well as the effective charges of ions in Ag_2CdI_4 and Ag_2HgI_4 are estimated.