

The superposition of the lattice radiation and reflectivity spectra of tetragonal TeO₂ crystals

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Abstract

The superposition of infrared reflectivity spectra and lattice radiation of TeO₂ crystals have been investigated. Both radiation spectra at high temperatures and absorption spectra in the two-phonon range for polarizations E_{||}c and E_⊥c were performed. It is shown that in the one-phonon range it is possible to reveal two-phonon bands.

References

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