

Calculation of Phonon Spectra of Two-Dimensional Crystals of Molybdenum Disulfide and Ditelluride

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Abstract / Аннотация: The results from calculation of the energy spectra and densities of states of phonons in bulk and two-dimensional crystals of monomolecular thickness from molybdenum disulfide and ditelluride are presented. They demonstrate the dominant role of the interaction of atoms within a single monomolecular layer in the phonon characteristics of these materials.

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