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The Lattice Dynamics of bcc Titanium

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**Abstract:** Using in measurements of the phonon frequencies of bcc Titanium, the lattice dynamical calculations are performed on the same phase by using the Third-neighbour Clark-Gazis-Wallis(CGW) model. The theory is used to compute the phonon dispersion curves, the frequency spectra and the lattice specific heat of the studied phase. The obtained results are compared with the available experimental data.

 [Keywords](#)  
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