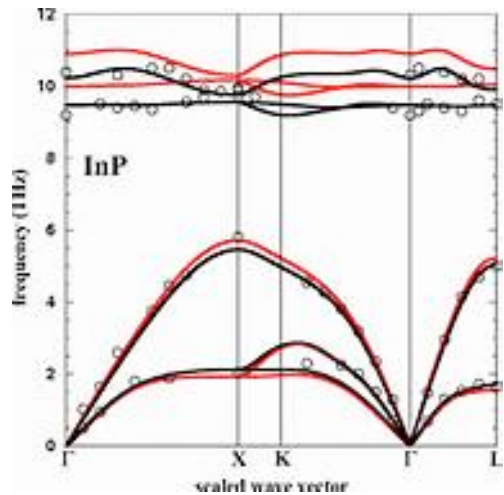
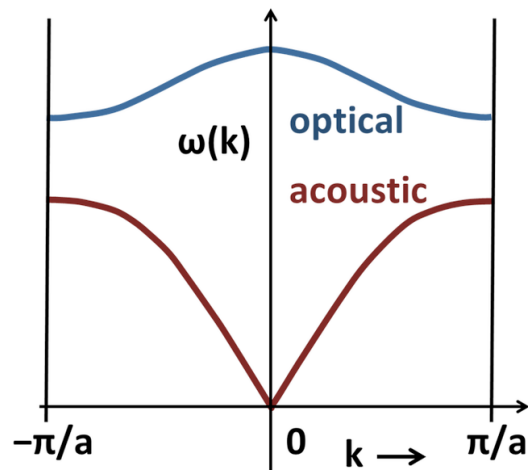
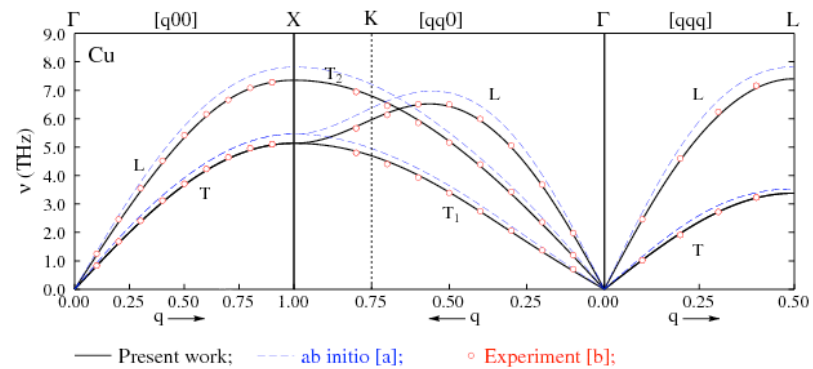


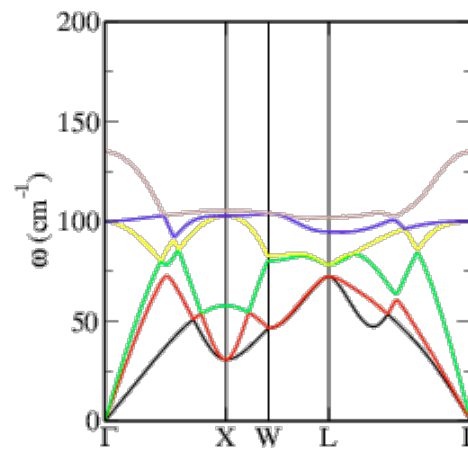
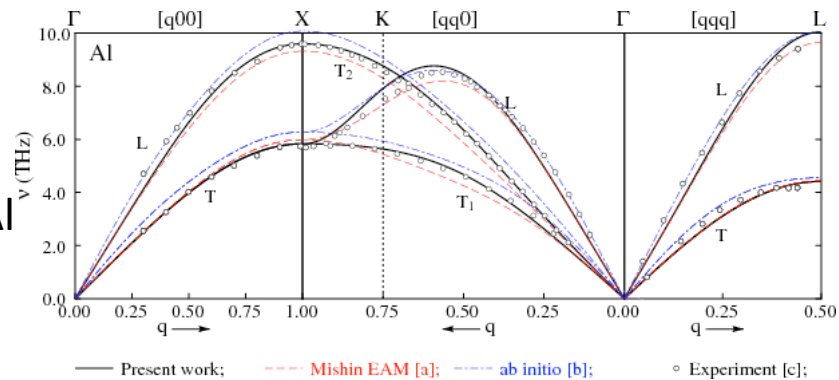
Examples of Phonon Dispersion Curves



fcc Cu

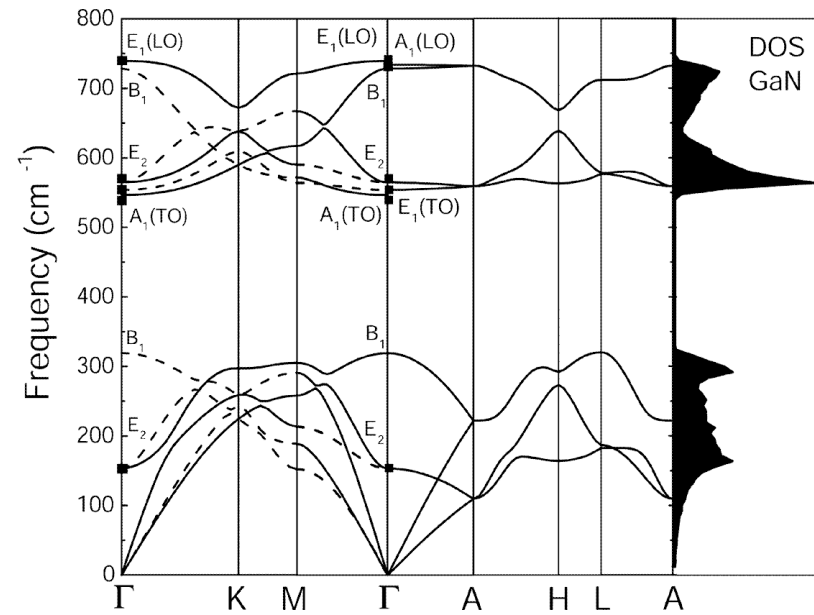
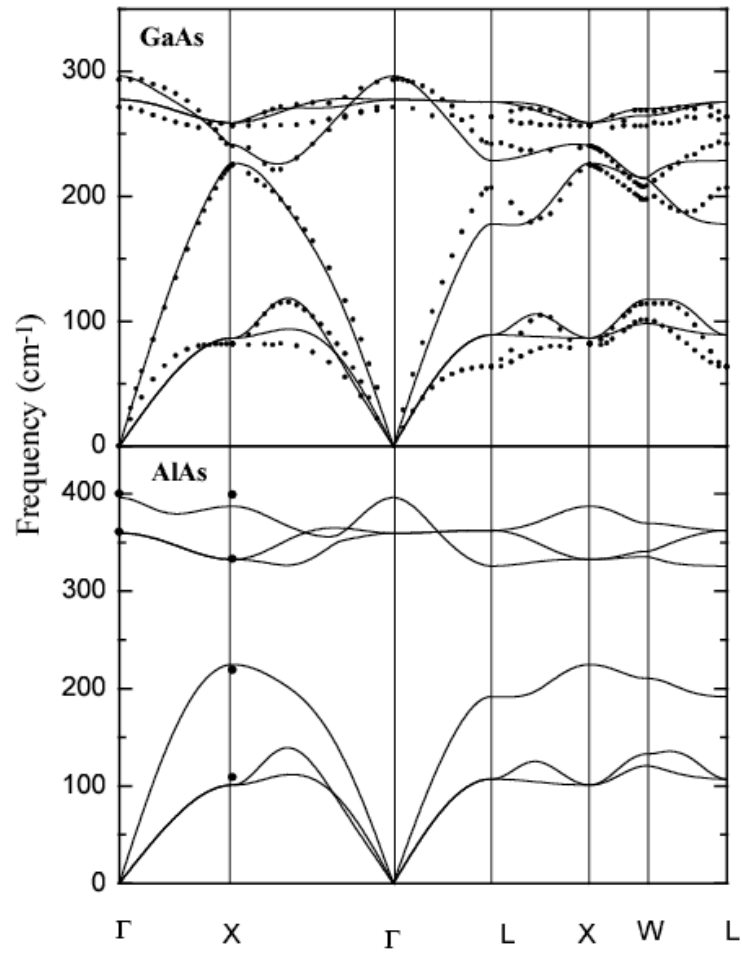


fcc Al



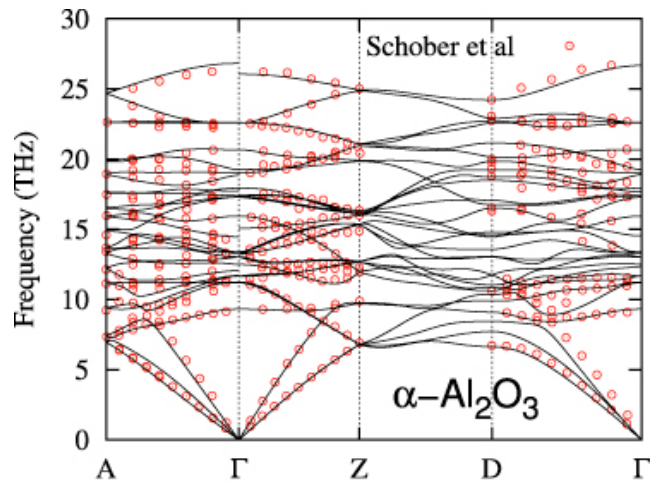
Zincblende compounds

2 atoms/cell, different masses

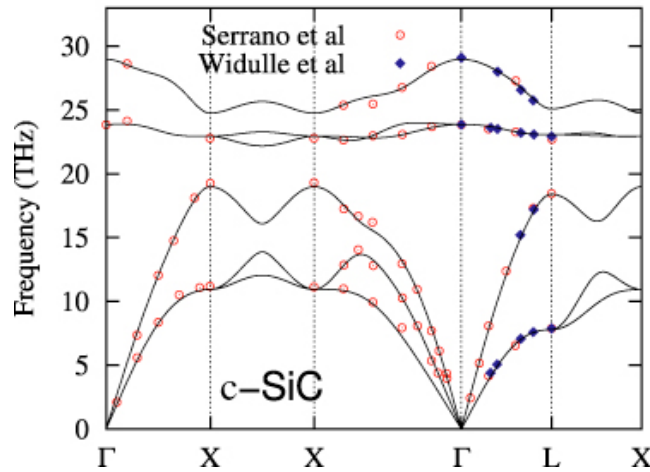
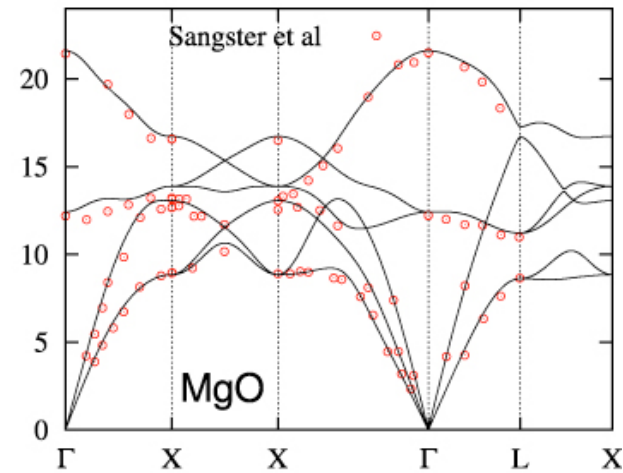


An Assortment of Compounds

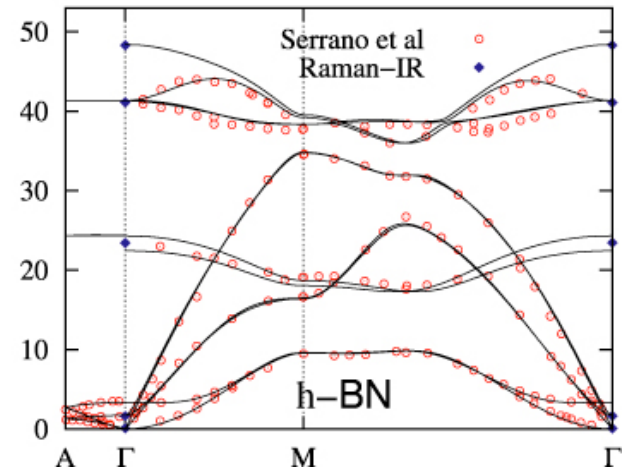
Count the branches



Rocksalt structure MgO

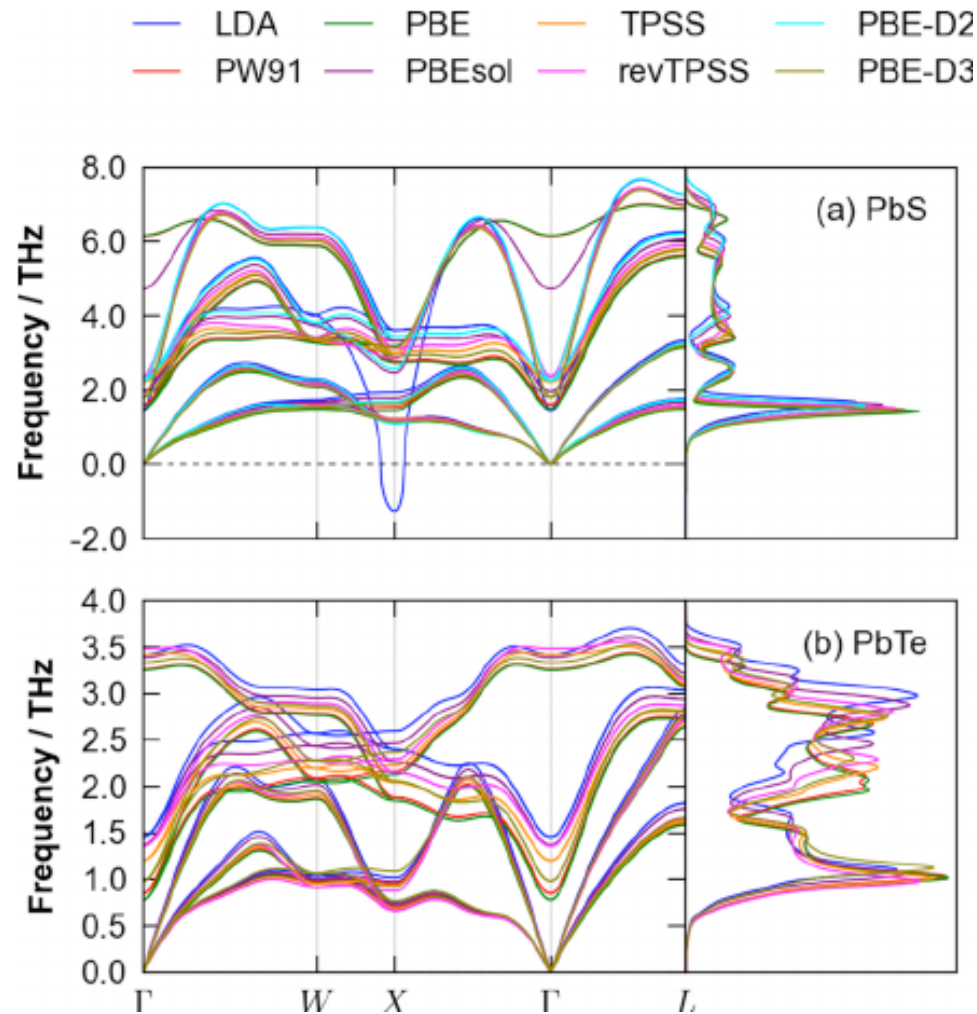


Silicon crossed with diamond

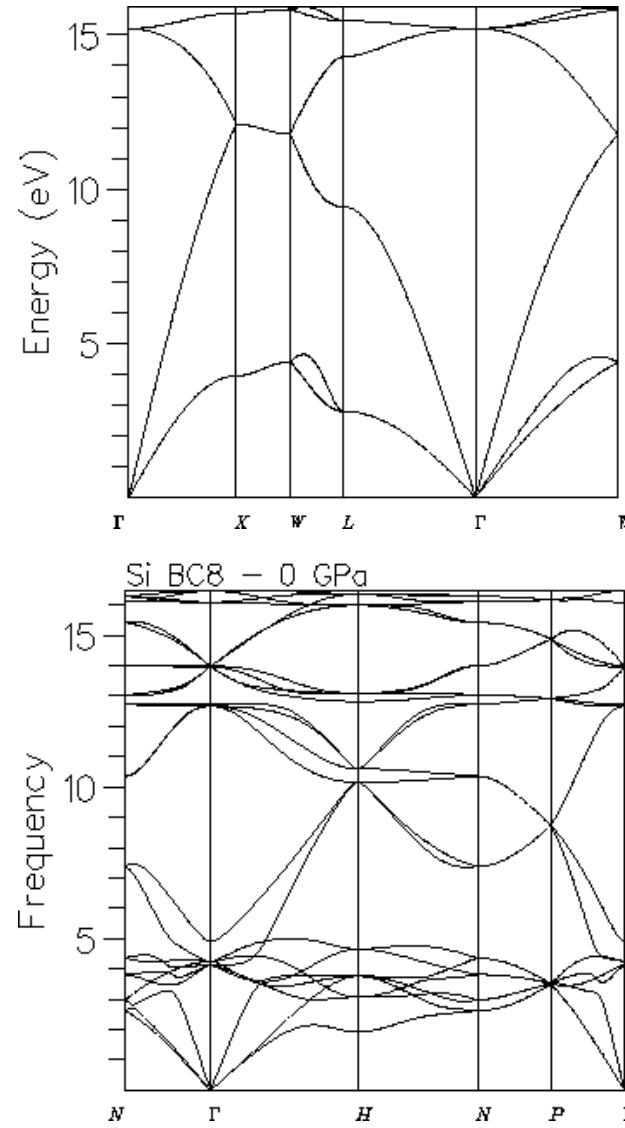
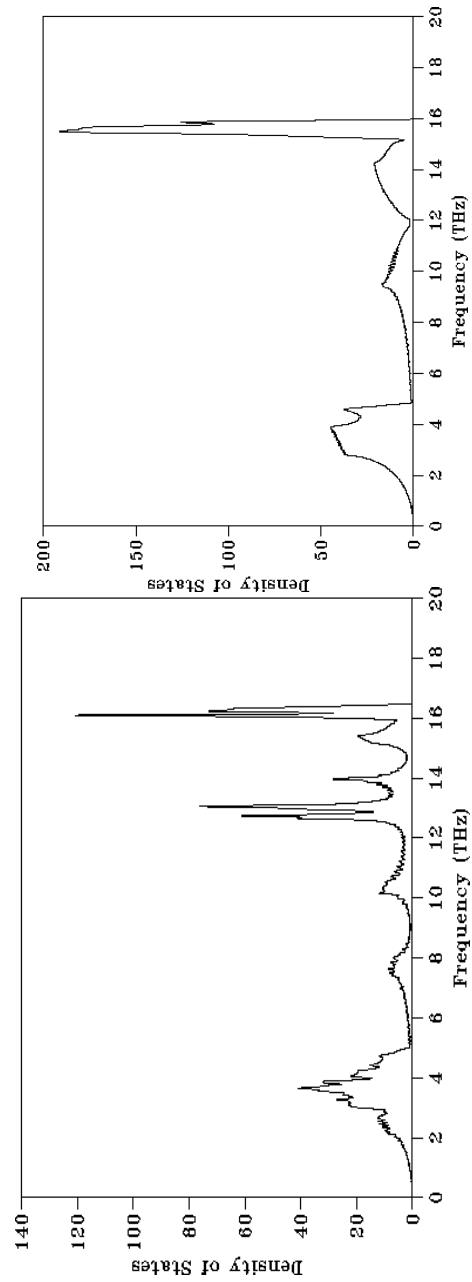


A layered compound

PbS, PbTe: from first principles. different DFT functionals



Carbon

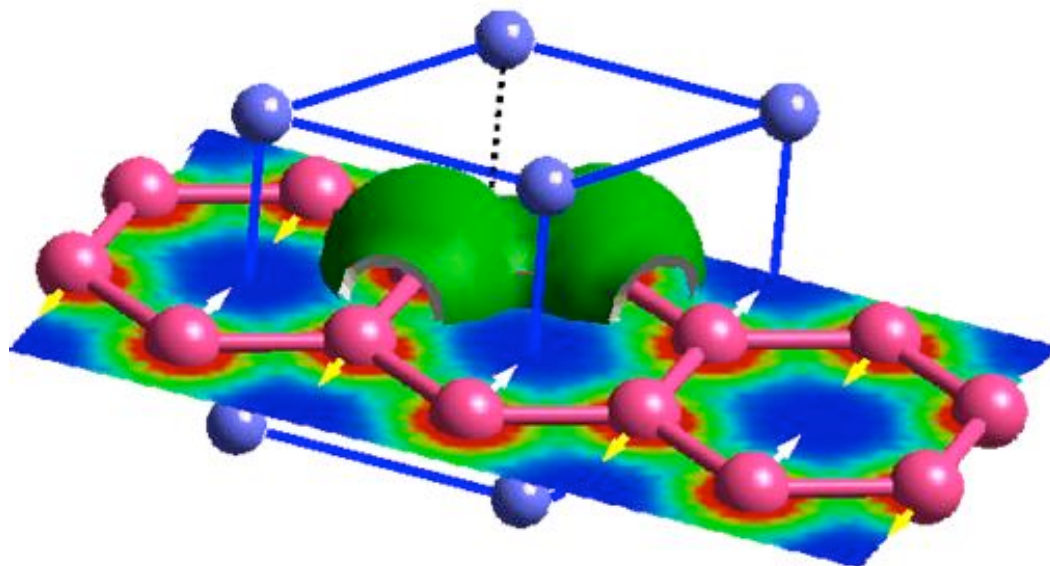


Diamond
Structure

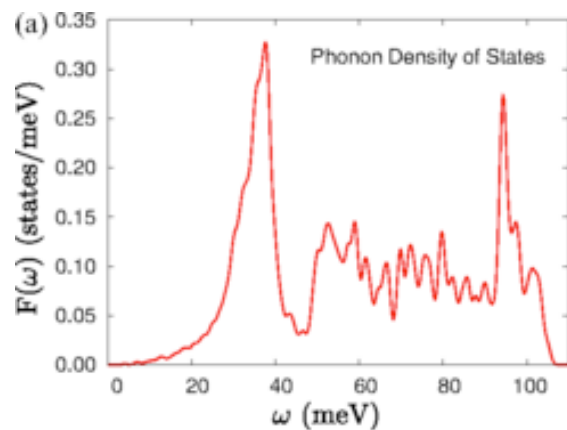
BC8
Structure

MgB_2
 $T_c^{\text{super}} = 40\text{K}$

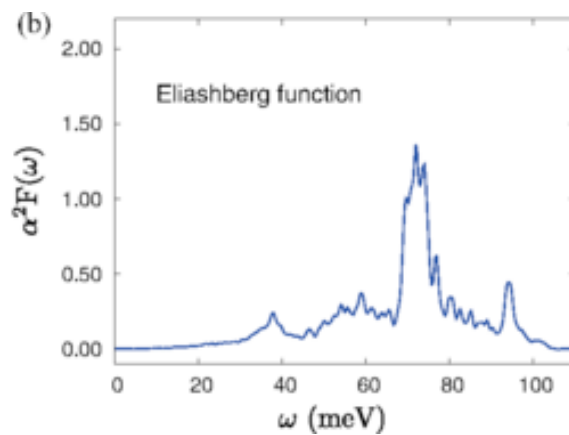
Structure,
 et cetera



Density of states



El-ph weighted
 density of states



Strange
 Phonons

