

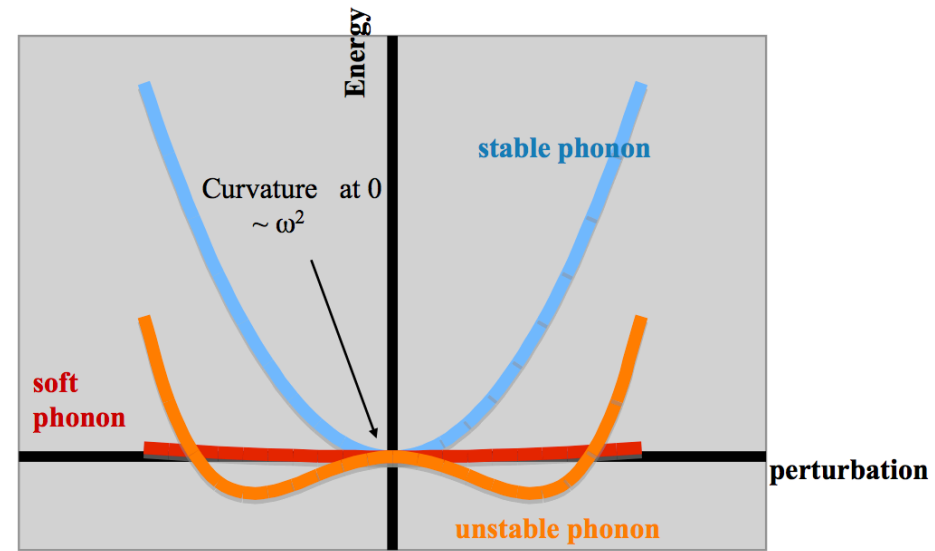
Physique des Minéraux II

3 CREDITS
30H CM TD
Razvan CARACAS

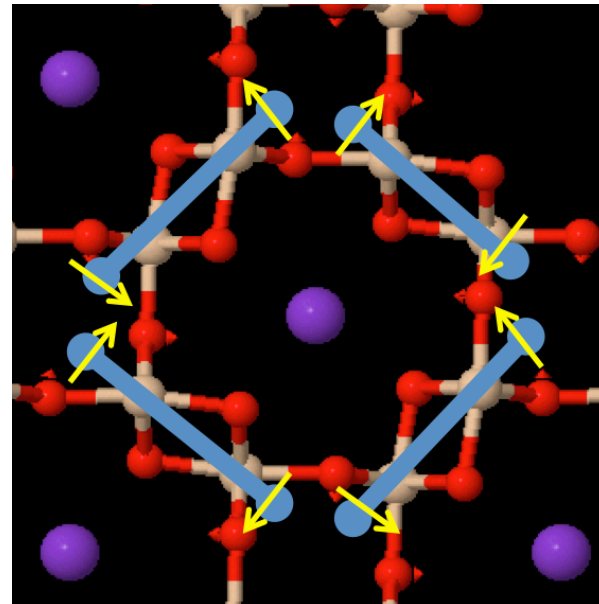
If in M1 the atoms were static, in M2 they will be moving

- Lattice dynamics
- Phonons and vibrations. More about the relations between crystal structure, thermodynamics and relevant physical properties
- Molecular dynamics, melts and glasses

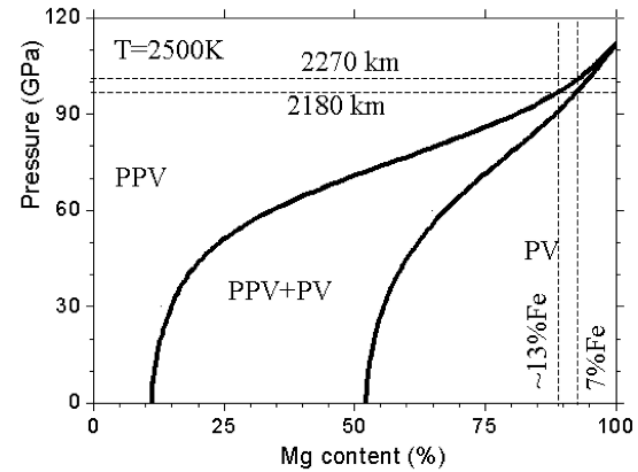
1. Beyond M1 and its static approximation:
let the atoms vibrate



2. Interpretation of
Raman and infrared
spectra



3. Analyses of instabilities. How to predict new structures and build phase diagrams



4. Melts, melts, and melts

