

Exercise 2.1-6

Enthalpy difference for the limiting cases of Schottky or Frenkel Defects

Illustration



The equations for the concentration of the three point defects contain in parts the difference of the formation enthalpies of Schottky or Frenkel defects.

- Calculate the ratio of the concentration of Schottky to Frenkel defects as a function of this enthalpy difference.
- Discuss the result. Show in particular, how large the difference must be if **90%** or **99%**, resp., of the defects are to be of *one* kind.



Link to the [Solution](#)