

Exercise 2.1-5

Do the Math for Mixed Point Defects

Illustration



Solve the system of the three equations given below and show that the [result given](#) is correct

$$\begin{aligned}c_V(C) \cdot c_i(C) &= \frac{N'}{N} \cdot \exp - \frac{H_{FP}}{kT} \\c_V(A) \cdot c_V(C) &= \frac{N'}{N} \cdot \exp - \frac{H_S}{kT} \\c_V(C) &= c_V(A) + c_i(C)\end{aligned}$$



What are the conditions for the limiting cases of pure Frenkel or Schottky defects?



Link to the [Solution](#)