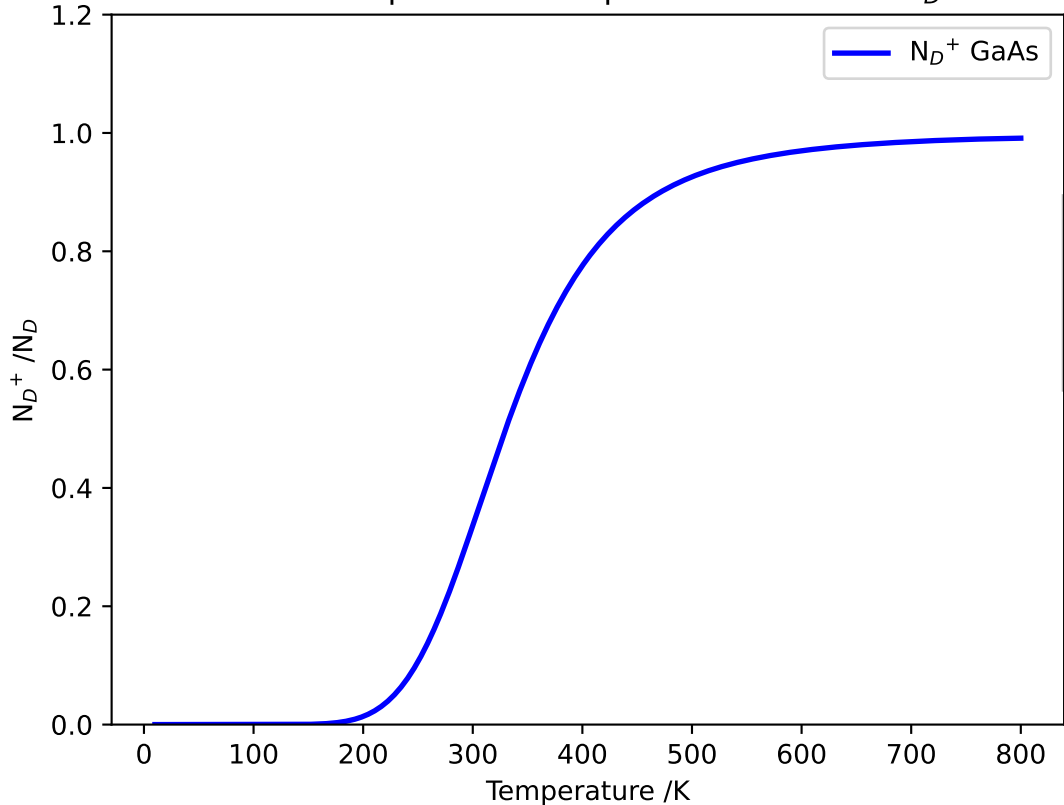


Number of Ionized Dopants vs Temperature for GaAs  $N_D 1e+21 \text{ m}^{-3}$



GaAs Pa

$$E_g = 1.4$$

$$m_n^* = 0.0$$

$$m_p^* = 0.$$