

$\beta = \frac{1}{k_b T}$, k_b is Boltzmann Constant, T is temperature

ρ is number density

κ is thermal conductivity

We fit κ with the following polynomial:

$$\kappa = \sum_{n_{min}}^{n_{max}} \sum_{m_{min}}^{m_{max}} a_{nm} \rho^n \beta^m$$

a_{nm} is the fitting parameter

$$n_{min} = 0, n_{max} = 3, m_{min} = 0, m_{max} = 3$$