

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

$\rho$  is number density

$D$  is diffusion coefficient

We fit  $\rho D$  with the following polynomial:

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

$a_{nm}$  is the fitting parameter

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