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

ρ is number density

D is diffusion coefficient

We fit ρD 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

$n_{min} = 0, n_{max} = 2, m_{min} = -2, m_{max} = 0$