



$$A = \sum_{n=1}^N \frac{\hat{p}_n \cdot \hat{p}_n}{2m_n} + V(r_1, r_2, \dots, r_N, t)$$
$$= -\frac{\hbar^2}{2} \sum_{n=1}^N \frac{1}{m_n} \nabla_n^2 + V(r_1, r_2, \dots, r_N, t)$$

