

$$P_{\mathbf{x}} = a_0 + \frac{1}{2} \sum_{\mathbf{q} \neq 0} \left\{ a_{\mathbf{q}} \cos(\mathbf{q} \cdot \mathbf{x}) + b_{\mathbf{q}} \sin(\mathbf{q} \cdot \mathbf{x}) \right\}$$