

$$S_P = \frac{1}{2} c_1 \sum_{\mathbf{x}} P_{\mathbf{x}}^2 - 2c_2 \sum_{\mathbf{x} \mathbf{y}} P_{\mathbf{x}} Q(\mathbf{x} - \mathbf{y}) P_{\mathbf{y}}$$