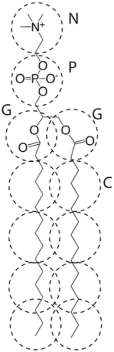
Standard model for DPPC:



$$H_0 = \sum \frac{m_i v_i^2}{2} + \sum \frac{k_r (r_{ij} - r_0)^2}{2} + \sum \frac{k_\theta (\cos(\theta_{ijk}) - \cos(\theta_0))^2}{2}$$

$$W_0 = \frac{1}{2\rho_0} \int \mathrm{d}\mathbf{r} \, \left(\sum_{k\ell} \tilde{\chi}_{k\ell} \phi_k(\mathbf{r}) \phi_\ell(\mathbf{r}) + \frac{1}{\kappa} \left(\sum_\ell \phi_\ell(\mathbf{r}) - a \right)^2 \right)$$

G	P	C	W	
-1.50	6.30	9.00	-8.10	N
	4.50	13.50	-3.60	P
$\tilde{\chi}_{k\ell}/\mathrm{kJ\,mol^{-1}}$		6.30	4.50	G
			33.75	C

Modeling of tension: $W_1 = -\frac{1}{\rho_0} \int \mathrm{d}\mathbf{r} \, \left(K_{\mathrm{ST}} \boldsymbol{\nabla} \phi_{\mathrm{W}}(\mathbf{r}) \cdot \boldsymbol{\nabla} \phi_{\mathrm{C}}(\mathbf{r}) \right)$