

ADDITIONS AND CORRECTIONS

1997, Volume 101B

Willem H. Mulder: Equilibrium Size Distributions of Circular Domains in Amphiphilic Monolayers

Page 7746. The last term in the second member of eq 3.14 is incorrect. This equation should have read

$$\frac{1}{n_{dj}} \left(\frac{\partial G_{\text{mono}}}{\partial a_j} \right)_{T,A,n_{dk},R_{i \neq j}} = \Pi_m - \Pi_j^{\text{od}} + \frac{\Lambda_j}{R_j} + \left(\frac{\partial \Lambda}{\partial R} \right)_{T,R=R_j} + \frac{1}{2\pi R_j} \left(\frac{\partial f_{\text{el}}^{\text{self}}}{\partial R} \right)_{T,j;R=R_j} + \frac{1}{2\pi R_j n_{dj}} \left(\frac{\partial F_{\text{el}}^{\text{int}}}{\partial R_j} \right)_{T,A,n_{dk},R_{i \neq j}} = 0 \quad (3.14)$$

As a consequence, eq 3.16 becomes

$$\Pi_{j,\text{el}} = - \frac{1}{2\pi R_j} \left(\left(\frac{\partial f_{\text{el}}^{\text{self}}}{\partial R} \right)_{T,j;R=R_j} + \frac{1}{n_{dj}} \left(\frac{\partial F_{\text{el}}^{\text{int}}}{\partial R_j} \right)_{T,A,n_{dk},R_{i \neq j}} \right) \quad (3.16)$$

while the expression 3.18 should be rectified accordingly,

$$G_{\text{mono}} = N_m \lambda_{s,m}^* + \sum_j n_{dj} \lambda_{s,j}^* - \Pi_m A + \pi \sum_j n_{dj} R_j \left(\Lambda_j - R_j \left(\frac{\partial \Lambda}{\partial R} \right) \right) + \sum_j n_{dj} \left(f_{\text{el},j}^{\text{self}} - \frac{1}{2} R_j \left(\frac{\partial f_{\text{el}}^{\text{self}}}{\partial R} \right)_j \right) + F_{\text{el}}^{\text{int}} - \frac{1}{2} \sum_j R_j \left(\frac{\partial F_{\text{el}}^{\text{int}}}{\partial R_j} \right)_{T,A,n_{dk},R_{i \neq j}} + kT \sum_j n_{dj} \ln(n_{dj}/N_d) \quad (3.18)$$

With these modifications, the definitions of $f_{\text{el}}^{\text{int}}$ and f_{el} should now appear after eq 4.5. The rest of the argument remains unaltered.