ARTICLE

Degenerate conic anchoring and colloidal elastic dipole-hexadecapole transformations

Ye Zhu

[illegible] α [illegible] θ [illegible] fi [illegible] A [illegible] [25] [illegible] fi [illegible] (Eq. (1)), [illegible] fi [illegible] H [illegible]

$$[illegible]\,4 \sum_{[illegible]\,2,4,6} (-1)\,\frac{([illegible])!}{[illegible]_{-1}}\,[illegible](\,[illegible]\,\theta) \qquad (1)$$

[illegible] $(2-[illegible])$, [illegible] F [illegible] 2) [illegible] 4) [illegible] (Fig. 2) [illegible] 0.61, 5.57, −9.53. [illegible] $\theta = 45°, 90°$, [illegible] 0°, [illegible] $\theta = 0°$ [illegible] 90°, [illegible] $\theta = 45°$, [illegible]

[illegible]

B [illegible] fi [illegible] (Eq. (11)), [illegible] (CA) [illegible] CA [illegible]

A [illegible] (θ [illegible] Fig. 3, [illegible]

[illegible] (F[illegible]. 3[illegible], [illegible], . . , [illegible]). A[illegible] fi[illegible] fi[illegible]

[illegible]:

$$\mathrm{R}\;\frac{A}{2}\;1-\frac{}{3}\;-\frac{A}{3}\;\;_2\;\;\frac{A}{4}\;\;\mathrm{R}\;\frac{}{2}\frac{\partial}{\partial}\frac{\partial}{\partial}\;, \tag{2}$$

[illegible] A [illegible]

15. [illegible], I. I., [illegible], . D., K[illegible], A. 8 ., K[illegible], A. . &