

Corrections to

Mours M, Winter HH (2000) Mechanical Spectroscopy. Tanaka T, Ed, Experimental Methods in Polymer Science: Modern Methods in Polymer Research and Technology, Academic Press, San Diego CA. p. 495-546.

(not implemented in the printed version)

Change the following two equations:

$$\sum_{i=1}^N \frac{g_i \lambda_i^2}{1 + (\omega \lambda_i)^2} = \frac{2}{\pi} \int_0^{\infty} \frac{dx}{x} \frac{1}{\omega^2 - x^2} \sum_{i=1}^N \frac{g_i \lambda_i}{1 + (\omega \lambda_i)^2} \quad (3.9)$$

may be rearranged into

$$\sum_{i=1}^N g_i \lambda_i \left\{ \frac{\lambda_i}{1 + (x \lambda_i)^2} - \frac{2}{\pi} \int_0^{\infty} \frac{dx}{x} \frac{1}{\omega^2 + x^2} \frac{1}{1 + (x \lambda_i)^2} \right\} = 0 \quad (3.10).$$

into

$$\sum_{i=1}^N \frac{g_i \lambda_i^2}{1 + (\omega \lambda_i)^2} = \frac{2}{\pi} \int_0^{\infty} \frac{dx}{x} \frac{1}{\omega^2 - x^2} \sum_{i=1}^N \frac{g_i \lambda_i}{1 + (x \lambda_i)^2} \quad (3.9)$$

may be rearranged into

$$\sum_{i=1}^N g_i \lambda_i \left\{ \frac{\lambda_i}{1 + (x \lambda_i)^2} - \frac{2}{\pi} \int_0^{\infty} \frac{dx}{x} \frac{1}{\omega^2 - x^2} \frac{1}{1 + (x \lambda_i)^2} \right\} = 0 \quad (3.10).$$

change equation (B.5):

stiffness $S(\omega) = \frac{G'(\omega)}{\Gamma(2\delta / \pi) \cos \delta \omega^{2\delta / \pi}}$

into

stiffness $S(\omega) = \frac{G'(\omega)}{\omega^{2\delta / \pi} \cos \delta \Gamma(1 - 2\delta / \pi)}$