

Erratum: Rippling of polymer nanofibers [Phys. Rev. E 78, 061804 (2008)]

Xiang-Fa Wu,^{*} Yulia Y. Kostogorova-Beller, Alexander V. Goponenko, Haoqing Hou, and Yuris A. Dzenis
(Received 3 April 2009; published 30 April 2009)

DOI: [10.1103/PhysRevE.79.049903](https://doi.org/10.1103/PhysRevE.79.049903)

PACS number(s): 61.41.+e, 82.35.-x, 46.25.Cc, 99.10.Cd

The constitutive relation (6) corresponding to the strain energy density (24) of hyperelastic Mooney-Rivlin solids was misprinted, which should be corrected as

$$\mathbf{T} = -p\mathbf{I} + 2c_1\mathbf{B} - 2c_2\mathbf{B}^{-1}. \quad (6)$$

Accordingly, formulas (7), (8), (15), and (16) should be corrected as

$$T_{rr} = T_{\theta\theta} = -p + 2c_1\lambda_1^2 - 2c_2\lambda_1^{-2} = -p + 2c_1\lambda_3^{-1} - 2c_2\lambda_3, \quad (7)$$

$$T_{zz} = -p + 2c_1\lambda_1^{-4} - 2c_2\lambda_1^4 = -p + 2c_1\lambda_3^2 - 2c_2\lambda_3^{-2}, \quad (8)$$

$$P = 2\pi r_0^2(\lambda_3^2 - \lambda_3^{-1})(c_1 + c_2\lambda_3^{-1}) + \pi r_0\gamma, \quad (15)$$

$$P = 2\pi R_0^2(\lambda_3 - \lambda_3^{-2})(c_1 + c_2\lambda_3^{-1}) + \pi R_0\gamma\lambda_3^{-1/2}. \quad (16)$$

These corrections do not affect the rest of the paper.

^{*}Xiangfa.wu@ndsu.edu