Erratum

Erratum: "On the wrinkling of a pre-stressed annular thin film in tension" [Journal of Mechanics and Physics of Solids 55 (2007) 1601]

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A number of algebraic errors have been discovered in this article. While they do not detract from the overall mathematical development, the corrected formulae differ slightly from those already published. The errors are listed below for the interested reader.

- The quantity Γ_2 defined after Eq. (20c) must be changed to

$$\Gamma_2 := -2N_0N_1 - (\widehat{A}_1\eta^2 - \widehat{B}_1)(\lambda_1 N_1 + \lambda_2 N_0) - 2\eta(\widehat{A}_0 N_1 + \widehat{A}_1 N_0 \lambda_1)X - \widehat{A}_0 N_0 X^2.$$

- As a consequence, the expressions of Γ_3 and Γ_4 after Eq. (25) will become

$$\Gamma_4 := \frac{N_1}{N_0} + \frac{3C}{\eta} - \frac{3N_0}{2\widehat{A}_0\eta^2},$$

$$\Gamma_5 := \frac{N_0^{1/3}}{2\widehat{A}_0\eta^2}\left[N_1 + \widehat{A}_0 C^2 - 2\widehat{A}_1\eta C\lambda_1 + \frac{\lambda_2}{\lambda_1}(2\widehat{A}_0\eta C - N_0)\right].$$

- Furthermore, the expressions of λ_2 in (26) and that of λ_2^* in (27b) will have to be modified to

$$\lambda_2 = \frac{2\eta^2\widehat{A}_0\lambda_1}{N_0^{1/3}(N_0 + 2\xi_0\eta^2\widehat{A}_0 N_0^{-1/3})}\left[\left(\frac{N_0^{1/3}}{2\eta^2\widehat{A}_0} - \frac{\xi_0}{3N_0}\right)N_1 + \lambda_1\frac{\xi_0\widehat{A}_1}{\widehat{A}_0} + (N_0 + 2\xi_0\eta^2\widehat{A}_0 N_0^{-1/3})\frac{\xi_0}{2\eta^2\widehat{A}_0} + \frac{N_0^{1/3}}{\eta(2\widehat{A}_0)^{1/2}}\right]$$

and, respectively,

$$\lambda_2^* := 2\eta^2 G\left[4\xi_0(N_0^*)^{2/3}\left(G\widehat{A}_1 + \frac{1}{2\eta^2}\right) + \frac{\widehat{A}_0^{1/2}}{\eta\sqrt{2}}\right].$$