

Errata for: "Droplet profiles under the influence of van der Waals forces"

ELI MINKOV

Rafael, Haifa, Israel

e-mail: minkov@rafael.co.il

AMY NOVICK-COHEN

Dept. of Mathematics, Technion-IIT, Haifa, Israel 32000

e-mail: amync@techunix.technion.ac.il

Please note that in [1] (see also [2]):

p370 l-6 should read

$$\mu\xi_t - \frac{1}{3}[\xi^3(G''(\xi) + P''(\xi))\xi_x]_x + \frac{\gamma}{3}(\xi^3\xi_{xxx})_x = 0 \quad (1.9)$$

p371 l3 "disjoining pressures of the form" should replace "potentials of the form"

p373 l22 "repulsive disjoining pressure" should replace "attractive disjoining pressure"

p375 l20 " $\alpha \geq 1$ " should replace " $\alpha > 1$ "

p379 The sentence beginning "Notice also ..." on l16 should be removed, and the phrase "and (2.13) then follows" should be appended to the sentence beginning on l26 with the words "From (2.20) ..."

p 379 l 21 " $\hat{\mathbf{J}}$ " should replace "J"

p381 l-7 "for which (2.13) is satisfied and" should replace "for which"

p381 l-3

$$\phi(A) = \int_A^{B^*(A)} \frac{|\frac{f(A)}{A}u - f(u)|u du}{\sqrt{1 - \left(\frac{f(A)}{A}u - f(u)\right)^2}} \text{ should replace } \phi(A) = \int_A^{B^*(A)} \frac{|\frac{f(A)}{A}u - f(u)|u du}{\sqrt{1 - \left(\frac{f(A)}{A}u - f(u)\right)^2}}.$$

p384 l-5 "From (2.5), (2.13), (2.20), and (2.24)" should replace "From (2.5) and (2.24)"

p385 l17 should read

$$\tilde{\beta} = \arccos(-b) - k(1 - \bar{b}^2)^{-1/2}\xi_0^2 \quad \text{for some } b - k\xi_0^2 < \bar{b} < b.$$

p388 l11 " $c\left(= \frac{\hat{A}}{\gamma\delta^\alpha} \leq \frac{\hat{A}}{\gamma} \left[\frac{\rho g}{2(\gamma-S)}\right]^{\alpha/2}\right)$ " should replace " $c\left(= \frac{\hat{A}}{\gamma\delta^\alpha} \leq \frac{\hat{A}}{\gamma} \left[\frac{2(\gamma-S)}{\rho g}\right]^{\alpha/2}\right)$ "

p388 l18 "based on Corollary 11" should replace "based on part ii) of Corollary 11"

p390 l7 "(3.18) and (3.19)" should replace "(3.19) and (3.19)"

References

- [1] Minkov, E. & Novick-Cohen, A. (2001) Droplet profiles under the influence of van der Waals forces, Euro. J. Appl. Math. **12**, 367-393.
- [2] R. Finn, Mathematical Reviews MR1936203(2003k:76054)