Erratum for
"Nanoscale Hydrodynamics of Simple Liquids"

Introduction

- Here the errata will go

Balance Equations

- Here the errata will go

Nanoscale Hydrodynamic Relaxations

- Page 54, third line from top: This should read "to the spin angular momentum can be ignored; in the next chapter we return to the more ..."
- Right-hand side of Eq. (3.22b) should be

$$-\eta_0 \left(\boldsymbol{\nabla}\mathbf{u} + (\boldsymbol{\nabla}\mathbf{u})^T - \frac{2}{3}(\boldsymbol{\nabla}\cdot\mathbf{u})\mathbf{I} \right) + \overset{os}{\delta}\mathbf{P}$$

- Right-hand side of Eq. (3.24a) should be

$$\frac{1}{2}\nabla^2\mathbf{u} + \frac{1}{6}\boldsymbol{\nabla}(\boldsymbol{\nabla}\cdot\mathbf{u})$$

Extensions to Classical Hydrodynamics

- Error in Figure 4.10! This is *not* the relaxation dynamics for the longitudinal dipole moment autocorrelation function as stated, but for the tranverse dipole moment autocorrelation function. The predicted dynamics follow the same exponential functional form, hence, the extracted parameter values are the same for the longitudinal and tranverse relaxations. See Ref. [100].

Simple Nanoscale Flows

- Page 108, below Eq. (5.27): This should read: "θ is the angle between a specific molecular vector and the wall surface normal." Also, the last sentence should read "... the molecular vector is uniformly distributed and, hence, the molecules have no orientation."

- Page 129, Eq. (5.105): The left-hand side should read "$-\widehat{\zeta}(s)\widehat{C}_{uu}(s)$".

Gradients

- Here the errata will go

Epilogue

- Here the errata will go

Appendix

- Here the errata will go