

Erratum: “Multi-particle collision dynamics for a coarse-grained model of soft colloids” [J. Chem. Phys. 151, 074902 (2019)]

Cite as: J. Chem. Phys. 154, 079901 (2021); <https://doi.org/10.1063/5.0045670>

Submitted: 29 January 2021 . Accepted: 01 February 2021 . Published Online: 18 February 2021

 José Ruiz-Franco,  Diego Jaramillo-Cano,  Manuel Camargo,  Christos N. Likos, and  Emanuela Zaccarelli



View Online



Export Citation



CrossMark

ARTICLES YOU MAY BE INTERESTED IN

[Effects of interaction strength of associating groups on linear and star polymer dynamics](#)

The Journal of Chemical Physics 154, 074903 (2021); <https://doi.org/10.1063/5.0038097>

[Polymer brushes with reversibly tunable grafting density](#)

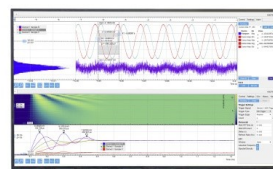
The Journal of Chemical Physics 154, 074904 (2021); <https://doi.org/10.1063/5.0038202>

[Coarse-grained simulation of PEGylated and tethered protein devices at all experimentally accessible surface residues on \$\beta\$ -lactamase for stability analysis and comparison](#)

The Journal of Chemical Physics 154, 075102 (2021); <https://doi.org/10.1063/5.0032019>

Challenge us.

What are your needs for
periodic signal detection?



Zurich
Instruments

Erratum: “Multi-particle collision dynamics for a coarse-grained model of soft colloids” [J. Chem. Phys. 151, 074902 (2019)]

Cite as: J. Chem. Phys. 154, 079901 (2021); doi: 10.1063/5.0045670

Submitted: 29 January 2021 • Accepted: 1 February 2021 •

Published Online: 18 February 2021







View Online



Export Citation



CrossMark

José Ruiz-Franco,^{1,2}  Diego Jaramillo-Cano,³ Manuel Camargo,^{4,a)}  Christos N. Likos,^{3,b)} 
and Emanuela Zaccarelli^{1,2,c)} 

AFFILIATIONS

¹CNR-ISC, Sapienza University of Rome, Piazzale A. Moro 2, 00185 Rome, Italy

²Dipartimento di Fisica, Sapienza University of Rome, Piazzale A. Moro 2, 00185 Rome, Italy

³Faculty of Physics, University of Vienna, Boltzmanngasse 5, 1090 Vienna, Austria

⁴FIMEB & CICBA, Universidad Antonio Nariño - Campus Farallones, Km 18 vía Cali-Jamundí, 760030 Cali, Colombia

^{a)} Author to whom correspondence should be addressed: manuel.camargo@uan.edu.co

^{b)} Electronic mail: christos.likos@univie.ac.at

^{c)} Electronic mail: emanuela.zaccarelli@cnr.it

<https://doi.org/10.1063/5.0045670>

The authors would like to issue a correction to their referenced JCP publication.¹ At the right-hand side of Eq. (16), and within the term in the square brackets, the symbol \mathbf{V} should be replaced by $\mathbf{v}_i(t)$. The correct expression replacing Eq. (16), therefore reads, as

$$\mathbf{V}(t+h) = \mathbf{V}(t) + \frac{m}{M} [\mathbf{v}_i(t) - \mathbf{v}_i(t+h)]. \quad (1)$$

Moreover, the inequality signs in Eq. (18) should be inverted, yielding the correct expression,

$$P_{\text{old} \rightarrow \text{new}} = \begin{cases} \min \left\{ 1, \frac{\rho_{\text{sol}}(r_{\text{old}})}{\rho_{\text{sol}}(r_{\text{new}})} \right\} & r_{\text{old}} < r_{\text{new}}, \\ \min \left\{ 1, \frac{\rho_{\text{sol}}(r_{\text{new}})}{\rho_{\text{sol}}(r_{\text{old}})} \right\} & r_{\text{new}} < r_{\text{old}}. \end{cases} \quad (2)$$

All calculations have been performed using the correct expressions; thus, none of the results is affected by these typographical errors. We are grateful to Lisa Sappl (University of Vienna) for pointing these out.

REFERENCE

¹J. Ruiz-Franco, D. Jaramillo-Cano, M. Camargo, C. N. Likos, and E. Zaccarelli, *J. Chem. Phys.* **151**, 074902 (2019).