






ERRATUM | JANUARY 01 2021

Erratum: “Modelling the rheology of thixotropic elasto-viscoplastic materials” [J. Rheol. 63(4), 609–639 (2019)] **FREE**

S. Varchanis ; G. Makrigiorgos; P. Moschopoulos ; Y. Dimakopoulos  ; J. Tsamopoulos 



J. Rheol. 65, 75 (2021)

<https://doi.org/10.1122/8.0000196>



Advance your science, career
and community as a member of
The Society of Rheology

LEARN MORE





Erratum: “Modelling the rheology of thixotropic elasto-visco-plastic materials” [J. Rheol. 63(4), 609–639 (2019)]

S. Varchanis, G. Makrigrigios,^{a)} P. Moschopoulos, Y. Dimakopoulos,^{b)} and J. Tsamopoulos

Laboratory of Fluid Mechanics and Rheology, Department of Chemical Engineering, University of Patras,
Patras 26500, Greece

(Received 25 November 2020; final revision received 30 November 2020; published 18 December 2020)

<https://doi.org/10.1122/8.0000196>

The values of m_1 must be interchanged with those of m_2 in Table III of [1]. The correct Table III, with the changes marked, is given below.

TABLE III. Rheological parameters of SPTT-IKH for the fumed silica suspensions by Wei *et al.* [2] and Armstrong *et al.* [3].

	Units	Fumed silica suspension [2]	Fumed silica suspension [3]
G	Pa	71.586	766.859
η_0	Pa·s	3.519	9.04
k_0	Pa	0.416	3.618
ϵ_{PTT}	-	0.05	0.001
C_0	Pa	0.438	9.613
q	-	2.052	1.815
k_1	s^{-1}	0.00125	0.186
k_2	$s_1^{n_1-1}$	0.00002	0.00037
k_3	$s_2^{n_2-1}$	6.839	0.122
n_1	-	1.844	1.735
n_2	-	2.676	2.141
n_3	-	4.128	2.177
m_1	-	0.484	0.54
m_2	-	0.639	1.607
m_3	-	0.01	0.327

12 July 2024 21:02:11

REFERENCES

- [1] Varchanis, S., G. Makrigrigios, P. Moschopoulos, Y. Dimakopoulos, and J. Tsamopoulos, “Modeling the rheology of thixotropic elasto-visco-plastic materials,” *J. Rheol.* **63**, 609–639 (2019).
- [2] Wei, Y., M. J. Solomon, and R. G. Larson, “A multimode structural kinetics constitutive equation for the transient rheology of thixotropic elasto-viscoplastic fluids,” *J. Rheol.* **62**, 321–342 (2018).
- [3] Armstrong, M. J., A. N. Beris, S. A. Rogers, and N. J. Wagner, “Dynamic shear rheology of a thixotropic suspension: Comparison of an improved structure-based model with large amplitude oscillatory shear experiments,” *J. Rheol.* **60**, 433–450 (2016).

^{a)}Present address: Department of Chemical Engineering, University of California, Berkeley, CA 94720.

^{b)}Author to whom correspondence should be addressed; electronic mail: dimako@chemeng.upatras.gr