Erratum to: Dynamic simulation of disintegration of wood chips caused by impact and collisions during the steam explosion pretreatment

Muhammad Muzamal¹ · Anders Rasmuson¹

Published online: 9 August 2016
© Springer-Verlag Berlin Heidelberg 2016

Erratum to: Wood Sci Technol DOI 10.1007/s00226-016-0840-2

In the original publication of the article, Eqs. 3, 7, 8, and 9 are incorrect. The correct equations are given below:

$$\begin{Bmatrix} \sigma_{11} \\ \sigma_{22} \\ \sigma_{33} \\ \sigma_{12} \\ \sigma_{13} \\ \sigma_{23} \end{Bmatrix} = \begin{bmatrix} C_{11} & C_{12} & C_{13} & 0 & 0 & 0 \\ C_{12} & C_{22} & C_{23} & 0 & 0 & 0 \\ C_{13} & C_{23} & C_{33} & 0 & 0 & 0 \\ 0 & 0 & 0 & G_{12} & 0 & 0 \\ 0 & 0 & 0 & 0 & G_{13} & 0 \\ 0 & 0 & 0 & 0 & 0 & G_{23} \end{bmatrix} \begin{Bmatrix} \varepsilon_{11} \\ \varepsilon_{22} \\ \varepsilon_{33} \\ \varepsilon_{12} \\ \varepsilon_{13} \\ \varepsilon_{23} \end{Bmatrix} \quad (3)$$

$$C_{12} = E_{11}(v_{21} + v_{31}v_{23})\Gamma \quad (7)$$

$$C_{23} = E_{22}(v_{32} + v_{12}v_{31})\Gamma \quad (8)$$

$$C_{13} = E_{11}(v_{31} + v_{21}v_{32})\Gamma \quad (9)$$

The online version of the original article can be found under doi:[10.1007/s00226-016-0840-2](https://doi.org/10.1007/s00226-016-0840-2).

✉ Anders Rasmuson
rasmuson@chalmers.se

¹ Department of Chemistry and Chemical Engineering, Chalmers University of Technology, 41296 Gothenburg, Sweden