Corrigendum

Corrigendum to "A step toward the numerical simulation of catalytic hydrogenation of nitrobenzene in Taylor flow at practical conditions" [Chem. Eng. Sci. 230 (2021) 116132]

Mino Woo[a†], Steffen Tischer[a], Olaf Deutschmann[a,b], Martin Wörner[a‡]

[a] Karlsruhe Institute of Technology (KIT), Institute of Catalysis Research and Technology, Germany

[b] Karlsruhe Institute of Technology (KIT), Institute for Chemical Technology and Polymer Chemistry, Germany

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The authors regret that Eq. (9) and Eq. (12) in the above referenced article are incorrect. The correct equations read as follows:

$$\partial_{t^*} c_{\mathrm{m},i} + \nabla^* \cdot (c_{\mathrm{m},i} \mathbf{u}_{\mathrm{m}}) = -\nabla^* \cdot \mathbf{j}_{\mathrm{m},i} \qquad (9)$$

$$\mathbf{j}_{\mathrm{m},i} = -D_{\mathrm{m},i} \nabla^* c_{\mathrm{m},i} \qquad (12)$$

The given mesh cell sizes are also wrong and by a factor of ten too low. The correct information about cell sizes used in the simulations is thus $\Delta x = \Delta z = 0.03 L_{\mathrm{ref}}$ with five non-uniform boundary layer cells of width $\Delta z = 0.003 - 0.013 L_{\mathrm{ref}}$.

All numerical results published in the article have been obtained using the correct form of Eq. (9) and Eq. (12); therefore, the related discussions and conclusions were not affected by these misprints and remain valid. The authors apologize for any inconvenience caused.

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† Present address: National Energy Technology Laboratory, Morgantown, West Virginia 26505, United States

‡ Corresponding author: Dr. Martin Wörner, martin.woerner@kit.edu, Phone: +49 721 608 47426