

## *Corrigendum to*

# “A mass conservative and water storage consistent variable parameter Muskingum-Cunge approach” published in *Hydrol. Earth Syst. Sci.*, 11, 1645–1659, 2007

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Two editorial mistakes were found in the paper.

The second one is in the references section.

The first one relates to the definition of coefficient  $C_1$  in Eq. (52):

$$\begin{aligned}
 C_1 &= \frac{-1 + C_t^* + D_t^*}{1 + C_{t+\Delta t}^* + D_{t+\Delta t}^*}; \\
 C_2 &= \frac{1 + C_t^* - D_t^*}{1 + C_{t+\Delta t}^* + D_{t+\Delta t}^*} \frac{C_{t+\Delta t}^*}{C_t^*}; \\
 C_3 &= \frac{1 - C_t^* + D_t^*}{1 + C_{t+\Delta t}^* + D_{t+\Delta t}^*} \frac{C_{t+\Delta t}^*}{C_t^*}
 \end{aligned} \tag{52}$$

which should be rewritten as:

$$\begin{aligned}
 C_1 &= \frac{-1 + C_{t+\Delta t}^* + D_{t+\Delta t}^*}{1 + C_{t+\Delta t}^* + D_{t+\Delta t}^*}; \\
 C_2 &= \frac{1 + C_t^* - D_t^*}{1 + C_{t+\Delta t}^* + D_{t+\Delta t}^*} \frac{C_{t+\Delta t}^*}{C_t^*}; \\
 C_3 &= \frac{1 - C_t^* + D_t^*}{1 + C_{t+\Delta t}^* + D_{t+\Delta t}^*} \frac{C_{t+\Delta t}^*}{C_t^*}
 \end{aligned} \tag{52}$$

## References

Perumal, M. and Ranga Raju, K. G.: Variable Parameter Stage-Hydrograph Routing Method. I: Theory, *J. Hydrol. Eng.*, ASCE, 3(2), 115–121, 1998b.

should be modified in:

Perumal, M. and Ranga Raju, K. G. Variable Parameter Stage-Hydrograph Routing Method. II: Evaluation, *J. Hydrol. Eng.*, ASCE, 3(2), 115–121, 1998b.

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