



Corrigendum to “Scaling from individual trees to forests in an Earth system modeling framework using a mathematically tractable model of height-structured competition” published in Biogeosciences, 12, 2655–2694, 2015

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In the paper “Scaling from individual trees to forests in an Earth system modeling framework using a mathematically tractable model of height-structured competition” by Weng et al. (Biogeosciences, 12, 2655–2694, doi:10.5194/bg-12-2655-2015, 2015), Eqs. (A10) and (A11) are misplaced and there are typos in Eqs. (A8), (A9) and (B19). We make the following corrections:

- Equations (A8) and (A9) in Appendix A (page 2677) should be one equation, and this equation should be

$$\frac{dL}{dt} = \text{Min} \left[\begin{array}{l} \text{Max} \left[\begin{array}{l} f_G(L_k^*(D, p) - L(t)) \\ 0.25 [L_k^*(D, p) - L(t)] \end{array} \right] \\ f_{\text{NSCNSC}} \frac{L_k^*(D, p)}{L_k^*(D, p) + \text{FR}_k^*(D)} \end{array} \right] \\ - (1 - p(t))\gamma_L L(t).$$

This equation should be labeled as “(A8)”.

- Equations (A10) and (A11) on page 2677 are misplaced.

The correct Eq. (A10) is

$$l_k = \frac{L_k / \text{LMA}}{A_{\text{CR}}},$$

and the correct Eq. (A11) is

$$\frac{d\text{FR}}{dt} = \text{Min} \left[\begin{array}{l} f_G(\text{FR}_k^*(D) - \text{FR}(t)) p(t) \\ f_{\text{NSCNSC}} \frac{\text{FR}_k^*(D)}{L_k^*(D, p) + \text{FR}_k^*(D)} \end{array} \right] \\ - \gamma_{\text{FR}} \text{FR}(t).$$

The text relating to these two equations (Eqs. A10 and A11) in this section is correct.

- Equation (B19) on page 2682 should be

$$f_A(E_0, T) = e^{E_0 \left(\frac{1}{298.15} - \frac{1}{T} \right)}.$$