CORRECTION

Correction: Fitting and Calibrating a Multilevel Mixed-Effects Stem Taper Model for Maritime Pine in NW Spain

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In Table 4, the value for δ in the "MM3 (a_1, b_3)" column is incorrect. Please see the corrected Table 4 here.

The value for "delta" in the S1 Appendix is incorrect. Please view the correct S1 Appendix below.

Table 4. Parameter estimates of the fixed-effects model (fitted by OLS, FMOLS) and the recommended mixed-effects model (expanding a_1 and b_3 with random effects, MM3), fitted using the whole data set.

Parameter	FMOLS	MM3 (a_1, b_3)
a_0	0.9891	1.050
a_1	0.9633	0.9427
a_2	0.04585	0.04734
b_1	0.3672	0.3619
b_2	-0.3350	-0.6907
b_3	0.5192	0.5847
b_4	0.8471	1.126
b_5	0.01777	0.02271
b_6	-0.02647	-0.05812
$\sigma^2_{i \cdot a_1}$	$\sigma^2_i,$	$1.263 \ 10^{-5}$
$\sigma^2_{i \cdot b_3}$		$8.273 \ 10^{-4}$
$\sigma^2_{i \cdot a_1 \cdot b_3}$		$-1.104 \ 10^{-5}$
$\sigma^2_{ij \cdot a_1}$		$1.205 \ 10^{-4}$
$\sigma^2_{ij \cdot b_3}$		$3.095 \ 10^{-3}$
$\sigma^2_{ij \cdot a_1 \cdot b_3}$		$3.847 \ 10^{-5}$
σ^2	1.555	$6.117 \ 10^{-3}$
δ		1.481

$\sigma^2_{i \cdot a_1}, \sigma^2_{i \cdot b_3}$ and $\sigma^2_{i \cdot a_1 \cdot b_3}$, variances and covariance of random effects in parameters a_1 and b_3 at plot level; $\sigma^2_{ij \cdot a_1}, \sigma^2_{ij \cdot b_3}$ and $\sigma^2_{ij \cdot a_1 \cdot b_3}$, variances and covariance of random effects in parameters a_1 and b_3 at tree level; σ^2, residual variance; δ parameter of power function. Note that the σ^2 of the mixed-effects model must be multiplied by $g = d^\delta$ when applied (variance obtained from ordinary residuals is 0.6866).

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Supporting Information

S1 Appendix. R implementation of the calibration procedure for a multilevel mixed-effects model based on stem taper function of Kozak (2004).
(ZIP)

Reference

1. Arias-Rodil M, Castedo-Dorado F, Cámara-Obregón A, Diéguez-Aranda U (2015) Fitting and Calibrating a Multilevel Mixed-Effects Stem Taper Model for Maritime Pine in NW Spain. PLoS ONE 10(12): e0143521. doi: 10.1371/journal.pone.0143521 PMID: 26630156