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Supplementary file S4. Taper curve fitting

Taper curve equation

$$Y = B_0 + B_1 * X + B_2 * X^2 + B_3 * X^3 + B_4 * X^5 + B_5 * X^8 + B_6 * X^{13} + B_7 * X^{21} + B_8 * X^{34}$$

Model Parameters			Estimation Statistics	
Parameter	Description	Unit	N	4809
Y =	dx/d0.2h	cm	R ²	0.940542
X =	1-(x/h)	Meter	Bias	0.00000
Where: dx = stem diameter at height x d0.2h = stem diameter at 20% relative height h = total stem height			RMSE	0.99129

Parameter Estimates				
Coefficient	Estimate	Std.Error	t-value	Pr(> t)
B0	1.43486	0.00589	243.56895	0.00000
B1	-4.84626	0.14997	-32.31483	0.00000
B2	19.18481	1.04721	18.31996	0.00000
B3	-31.75425	2.27563	-13.95402	0.00000
B4	32.85886	3.42690	9.58851	0.00000
B5	-30.15473	4.35436	-6.92518	0.00000
B6	21.84478	4.60663	4.74203	0.00000
B7	-11.67634	3.91587	-2.98180	0.00288
B8	3.17258	1.61086	1.96950	0.04895