

Erratum to: The Elastic Coefficients of Double-Porosity Materials: A Revisit

Pei Zheng¹ · Zhe Gao¹ · Boyang Ding²

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The authors would like to correct the values in Tables 2 and 3 of the published article. The corrected values are provided in this Erratum (Tables 2, 3).

Table 2 Double-porosity parameters: b_{ij}

Parameter	Formula	Chelsford granite	Weber sandstone
b_{11} (Gpa)	K	8.0	4.0
b_{12}	$K(v_1/K_1 - 1/K_s)$	0.31862	0.28809
b_{13}	$1 - v_1 K/K_1$	0.53459	0.60380
b_{22} (Gpa) ⁻¹	$\alpha_1 v_1/(K_u)_1 B_1 + \alpha_1 b_{23} - b_{12} (\alpha_1 \bar{b}_{33} - b_{23})/(1 - b_{13})$	0.02798	0.07827
b_{23} (Gpa) ⁻¹	$v_1 [\alpha_1 - K(v_1/K_1 - 1/K_s)]/K_1$	0.02182	0.04445
b_{33} (Gpa) ⁻¹	$v_1 (1 - v_1 K/K_1)/K_1 + v_2/K_f$	0.03443	0.06269
\bar{b}_{33} (Gpa) ⁻¹	$v_1 (1 - v_1 K/K_1)/K_1$	0.03110	0.05981

The online version of the original article can be found under doi:[10.1007/s11242-015-0611-9](https://doi.org/10.1007/s11242-015-0611-9).

✉ Pei Zheng
alias.pei@163.com

¹ School of Mechanical Engineering, University of Shanghai for Science and Technology, Shanghai 200093, China

² Department of Civil Engineering, Zhejiang University of City College, Hangzhou 310015, China

Table 3 Double-porosity parameters: a_{ij}

Parameter	Formula	Chelsford granite	Weber sandstone
a_{11} (Gpa) ⁻¹	$1/K^a$	0.125 ^a	0.25 ^a
a_{12} (Gpa) ⁻¹	$1/K_s - v_1/K_1$	-0.03983	-0.07202
a_{13} (Gpa) ⁻¹	$v_1/K_1 - 1/K$	-0.06682	-0.15095
a_{22} (Gpa) ⁻¹	$v_1\alpha_1/B_1K_1^a$	0.04067	0.09902
a_{23} (Gpa) ⁻¹	$v_1/(K_s)_1 - 1/K_s$	-0.00053	-0.00096
a_{33} (Gpa) ⁻¹	$v_2/K_f + 1/K - v_1/K_1$	0.07016	0.15383

^a From Berryman and Wang (1995)