

Erratum to: Elastic properties of six silicate garnet end members from accurate ab initio simulations

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Unfortunately, during the typesetting process the first digits of some values in Table 1 have been truncated. The correct version of Table 1 is given below.

The online version of the original article can be found under
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Table 1 Elastic constants C_{ij} (GPa) and adiabatic bulk modulus K_S (GPa) of the six silicate garnet end members

	References	Technique	C_{11}	C_{12}	C_{44}	K_S
Pyr	Isaak et al. (1976)	Ultrasonic, at RTP	287	105	92	166
	Bonczar et al. (1977)	Ultrasonic, at RTP	292	106	92	168
	Leitner et al. (1980)	Brillouin scattering, at RTP	295	117	90	177
	O'Neill et al. (1989)	Brillouin scattering, at RTP	296	111	92	173
	O'Neill et al. (1991)	Brillouin scattering, at RTP	298	110	93	172
	Sinogeikin et al. (2000)	Brillouin scattering, at RTP	297	108	93	171
	Lu et al. (2013)	Brillouin scattering, at RTP	291	107	92	168
	Pavese (1999)	Empirical potentials	298	113	93	174
	Winkler et al. (1999)	Semiempirical potentials	339	132	115	201
	Mittal et al. (2001)	Semiempirical potentials	314	116	91	182
	This study	Ab initio B3LYP	296	109	89	171
Alm	Isaak et al. (1976)	Ultrasonic, at RTP	310	115	93	180
	O'Neill et al. (1989)	Brillouin scattering, at RTP	309	111	96	177
	Mittal et al. (2001)	Semiempirical potentials	318	113	90	182
	This study	Ab initio B3LYP	306	108	88	174
Spe	Isaak et al. (1976)	Ultrasonic, at RTP	302	108	96	172
	Bass (1989) ^a	Brillouin scattering, at RTP	310	114	95	179
	Mittal et al. (2001)	Semiempirical potentials	313	109	89	177
	This study	Ab initio B3LYP	310	114	94	179
Gro	Halleck (1973)	Ultrasonic, at RTP	318	98	101	171
	Isaak et al. (1976)	Ultrasonic, at RTP	320	96	102	171
	Bass (1989) ^b	Brillouin scattering, at RTP	322	91	105	168
	Winkler et al. (1999)	Semiempirical potentials	397	98	94	198
	Mittal et al. (2001)	Semiempirical potentials	305	103	84	170
	Kawai et al. (2012)	Ab initio LDA	334	98	104	177
	This study	Ab initio B3LYP	323	95	105	171
	Bass (1986)	Brillouin scattering, at RTP	289	92	85	157
And	Jiang et al. (2004)	Brillouin scattering, at RTP	284	88	83	155
	This study	Ab initio B3LYP	281	88	83	152
Uva	Bass (1986)	Brillouin scattering, at RTP	304	91	84	162
	This study	Ab initio B3LYP	306	83	87	157

Present computed values are compared with the previously measured experimental and simulated data. Few details about the techniques used in each cited work are given (RTP stands for room temperature and pressure)

^a Extrapolated from a 95 % Spessartine sample

^b Extrapolated from a 99 % Grossular sample