

Erratum

Disilene, silsilylene and their cations

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We have found that one of the more interesting features of the Si_2H_4 structure is quoted incorrectly, namely the rocking angle α , defined as the angle between the HSiH bisector and the Si-Si axis. The angles actually given corresponded to a different way of defining the H positions, in terms of torsions about the Si-Si bond. To clarify matters the geometries are collected in the following table. Basis sets and wavefunctions are defined in the original paper.

	$R_{\text{Si-Si}}$ (Å)	$R_{\text{Si-H}}$ (Å)	HSiH (°)	α (°)
SCF/DZ+2P	2.121	1.467	115.0	0
MP2/DZ+2P	2.164	1.472	113.1	27
CISD/DZ+P	2.160	1.482	112.6	28
MRCISD/DZ+P	2.191	1.484	111.0	33

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