

# The M06 suite of density functionals for main group thermochemistry, thermochemical kinetics, noncovalent interactions, excited states, and transition elements: two new functionals and systematic testing of four M06 functionals and 12 other functionals

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Published online: 15 January 2008  
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**Erratum to: Theor Chem Account**  
**DOI 10.1007/s00214-007-0310-x**

Two columns of Table 7 have tabulation errors. These errors do not affect the calculations or the MUEs.

Method	$\Delta E$ (rxn a)	$\Delta E$ (rxn b)
Best estimate	9.81	14.84
M06-2X	8.13	12.07
M06-HF	8.83	13.02
M06	7.98	11.86
M06-L	6.29	9.34
M05-2X	8.22	12.23
PBE	5.83	8.64
BMK	6.18	9.28
TPSSh	4.34	6.43
B97-3	4.49	6.62
M05	5.53	8.17
B98	4.97	7.36
PBEh	5.84	8.67
VSXC	13.61	20.36
HF	3.57	5.27
HFLYP	6.18	9.19
B3LYP	4.64	6.85
BLYP	4.12	6.06

The online version of the original article can be found under doi:[10.1007/s00214-007-0310-x](https://doi.org/10.1007/s00214-007-0310-x).

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