Supplementary Information for Toward a Physically-Motivated Force Field: Hydrogen Bond Directionality from a Symmetry-Adapted Perturbation Theory Perspective

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Additional Results

A. Exchange-repulsion energy contributions from the fit to a simple exponential function (A*exp(-B*R)) and from valence electron density overlap integrals against the corresponding DFT-SAPT reference data.

Table: Parameters for the exchange-repulsion energy term

Atom class	A, kcal/mol*	B , 1/Å**
0	0.2719	3.662
Н	0.0011	3.240

* The geometric mean combination rule is used for the unlike atoms.

** The harmonic mean combination rule is used for the unlike atoms.















