

Extension of MINDO/3-FORCES Method

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The semi-empirical MINDO/3-FORCES method is extended to include the third row elements Si, P, S and Cl. The extended method is tested by calculation of heats of formation, dipole moments, and the first ionization potentials of molecules containing S and Cl. The results agree well with the experimental and theoretical values known in the literature.

Key words: MINDO/3-FORCES; Third Row Elements.