

"Inductive" Electronegativities of Substituents at Various Reaction Centers

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Abstract

A new method, based on the previously developed model of the inductive effect and on fundamental physical and geometric parameters of atoms and groups, is proposed for calculating the atomic and group electronegativities. This approach allowed refinement of a number of very important theoretical concepts, such as the nature of the group electronegativity and its correlation with the main quantitative characteristics of the substituent, the inductive and steric constants.
