



## Unexpected Charge Effects in Molecules and Clusters

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In some charge transfer models charged molecules and complexes are regarded as a neutral system with a small perturbation by the mostly localized charge. In this talk some examples are given which clearly show new and unexpected intra- and intermolecular charge effects. These results prove that a surplus charge in a molecule very much changes the molecular properties and the above concept is wrong. Beside results of model systems, such as n-alkylbenzenes and  $O_2^-$  indole, data of nucleic acid bases and peptides were presented.