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*„Physical origins of interaction-induced electric dipole properties of molecular complexes”*

Interactions between molecules lead to distortions of their charge distributions, so a complex possesses a (hyper)polarizability in excess of the sum of (hyper)polarizabilities of the isolated species. During the talk, the interaction-induced electric dipole polarizabilities of a large variety of nucleic acid base complexes shall be discussed. A special attention shall be paid to the nature of interactions of these species with an eye towards establishing to what extent interaction-induced properties arise from various interaction types.