

## DFT TEST STUDY ON VAN DER WAALS DIMERS

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Studies in the framework of the supermolecule approach, using density functional theory with basis sets optimized for generalized gradient approximation exchange-correlation calculations, and constructed to give accurate values for nonbonding interactions, will be discussed. Bonding properties of the diatomic van der Waals  $CO - He$  and  $N_2 - He$  molecules will be presented and compared with recent experimental and theoretical results.