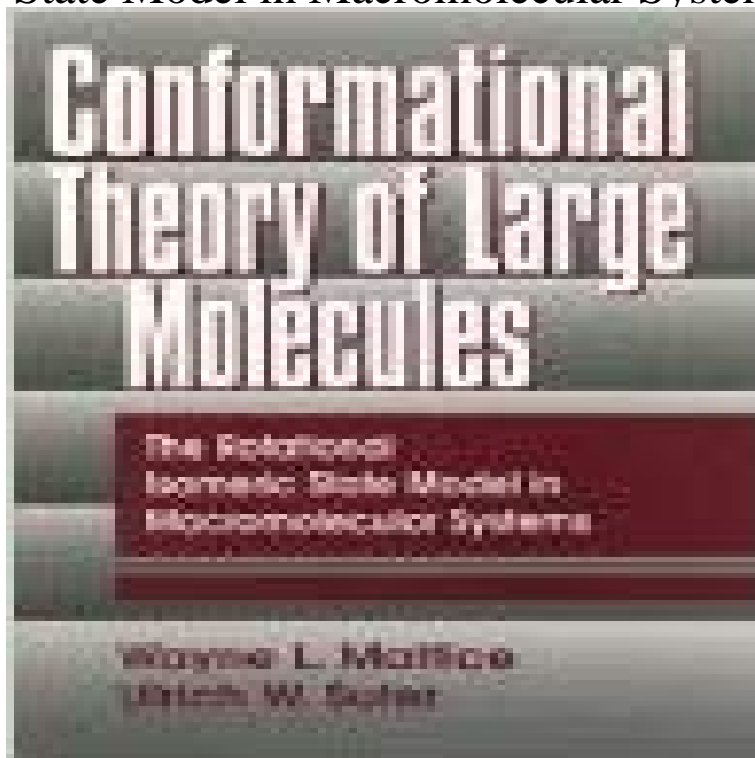


Conformational Theory of Large Molecules: The Rotational Isomeric State Model in Macromolecular Systems



Contains 15 chapters conceptually arranged into four groups: introductory material for theoretical description of chain molecules and experimental observations frequently addressed by rotational isomeric state techniques; development of the rotational isomeric state model from simple alkanes; expansion on the scope of polymer types that can be treated with this model; and extension regarding the scope of types of conformation-dependent physical properties that can be so treated. Includes scores of problems plus a FORTRAN program that performs calculations for the most important property: the characteristic ratio.

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