

eclipsing strain

Intramolecular strain present due to *nonbonded interactions* between two *eclipsed* atoms or groups. It is, for example, one of the interactions responsible for the existence of a *rotational barrier* and hence *restricted rotation* about the C–C bond in ethane. It has also been called *Pitzer strain*, *torsional strain* and *bond opposition strain*.

1996, 68, 2206