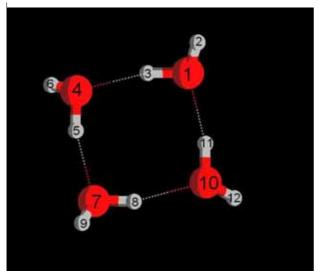
Supplementary Data

The definition of the internal coordinate defined by \$ZMAT in HONDO or GAMESS format.

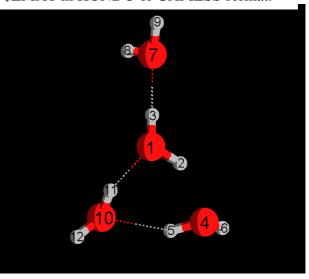


"cyclic" tetramer internal-coordinate

\$ZMAT NZMOD=21,

IZMAT=

- 1, 1,2,
- 1, 1,3,
- 2, 2, 1, 3,
- 1, 4,5,
- 1, 5,6,
- 2, 4,5,6,
- 1, 7,8,
- 1, 7,9,
- 2, 8, 7, 9,
- 1, 4,2,
- 2, 2, 4, 5,
- 2, 2,4,6,
- 1, 7,5,
- 2, 5, 7, 8,
- 2, 5,7,9,
- 3, 4, 2, 1, 3,
- 3, 4,5,1,3,
- 3, 1,3,1,3,
- 3, 4,6,1,3, 3, 7,5,4,6,
- 3, 7,8,4,6,
- 3, 7,9,4,6,
- \$END



"branched" internal-coordinate

\$ZMAT NZMOD=21,

IZMAT =

- 1, 1,2,
- 1, 1,3,
- 2, 2, 1, 3,
- 1, 4,5,
- 1, 5,6,
- 2, 4,5,6,
- 1, 7,8,
- 1, 7,9,
- 2, 8, 7, 9,
- 1, 4,2,
- 2, 2,4,5,
- 2, 2, 4, 6,
- 1, 7,3,
- 2, 3,7,8,
- 2, 3, 7, 9,
- 3, 4, 2, 1, 3,
- 3, 4, 5, 1, 3,
- 3, 4,6,1,3,
- 3, 7, 3, 1, 2,
- 3, 7,8,1,2,
- 3, 7,9,1,2
- \$END