

/usr/local/Intel/compiler90/bin/ifc -O3
Thu Oct 5 23:54:39 CEST 2006
reinh@hydrogene

Started ICMP MOL; date: 25.10.06 time: 19:21:02

I C M P - 1 molecule; from 1D ring systems
correlation by MP2 and others

MP2 PERTURBATION CORRECTIONS
EPSTEIN-NESBET PERTURBATIONS

third-order Moeller-Plesset perturbation theory via determinants

third-order Epstein-Nesbet perturbation theory via determinants

CI of SINGLES and DOUBLES
READING UNFORMATTED INTEGRALS, MAX. BUFFER LENGTH 4096
THRESHOLD FOR BIELECTRONIC INTEGRALS IS: 0.1000E-09
THE PRINT LEVEL IS SET TO 0

taking into account all possible determinants

READ INFORMATION ON SYSTEM
NATOMS 1
NBAS 2

READING VECTOR FROM UNIT 31
READING OVERLAP MATRIX FROM UNIT 14

NOCC 1
NVIRT 1

READING FOCK MATRIX FROM UNIT 23

E0 E1 E2 0.0000000000000000E+000 -3.88207578790000
1.02691540590000

TRANSFORMED FOCK MATRIX
LARGEST ELEMENT BETWEEN OCC/VIRT: 0.174648E-06

ORBEN: 1 -0.914122487983658 participating
ORBEN: 2 1.40061881408182 participating

THE ABSOLUTE MAXIMUM NUMBER OF BIELECTRONIC INTEGRALS IS 6

WE READ THE INTEGRALS FROM FILE 53

OPENED UNIT 56 AS FILE 00001
OPENED UNIT 57 AS FILE 000V1
OPENED UNIT 58 AS FILE 0VOV1
OPENED UNIT 59 AS FILE 0OVV1
OPENED UNIT 60 AS FILE 0VVV1
OPENED UNIT 61 AS FILE 0VVV1
OPENED UNIT 62 AS FILE 00002
OPENED UNIT 63 AS FILE 00OV2
OPENED UNIT 64 AS FILE 0VOV2
OPENED UNIT 65 AS FILE 0OVV2
OPENED UNIT 66 AS FILE 0VVV2
OPENED UNIT 67 AS FILE 0VVV2

OPENED UNIT 53 FOR UNFORMATTED READING
WE FOUND A BUFFER LENGTH OF 4096

WE REACHED THE ONE-ELECTRON SECTION

CLOSED UNIT 53

READ 6 INTEGRALS
KEPT 6 INTEGRALS (100.0%)

NUMBER OF INTEGRALS IN THE DIFFERENT CLASSES:

Table with 3 columns: TYPE, N1 (AABC), N2 (ABCD). Rows include OOOO, OOOV, OVOV, OOVV, OVVV, VVVV.

ALL BIELECTRONIC INTEGRALS FIT INTO THE DEFINED BUFFER

SEGMENT 1 : STARTING AT: 1 ENDING AT: 1
SEGMENT 2 : STARTING AT: 2 ENDING AT: 2
SEGMENT 3 : STARTING AT: 3 ENDING AT: 3
SEGMENT 4 : STARTING AT: 4 ENDING AT: 4
SEGMENT 5 : STARTING AT: 5 ENDING AT: 5
SEGMENT 6 : STARTING AT: 6 ENDING AT: 6
SEGMENT 7 : STARTING AT: 7 ENDING AT: 6
SEGMENT 8 : STARTING AT: 7 ENDING AT: 6
SEGMENT 9 : STARTING AT: 7 ENDING AT: 6
SEGMENT 10 : STARTING AT: 7 ENDING AT: 6
SEGMENT 11 : STARTING AT: 7 ENDING AT: 6
SEGMENT 12 : STARTING AT: 7 ENDING AT: 6

CHECKING ORDER OF INTEGRALS IN SEGMENT 1 ; 1 INTEGRALS ARE WELL-ORDERED 0.040

CHECKING ORDER OF INTEGRALS IN SEGMENT 2 ; 1 INTEGRALS ARE WELL-ORDERED 0.040

CHECKING ORDER OF INTEGRALS IN SEGMENT 3 ; 1 INTEGRALS ARE WELL-ORDERED 0.040

CHECKING ORDER OF INTEGRALS IN SEGMENT 4 ; 1 INTEGRALS ARE WELL-ORDERED 0.040





