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Conformational Analysis of Toxogonine, TMB-4 and HI-6 using PM6 and RM1 Methods

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```
cc Fortran code of program: Make Coordinate
cc ****************************************
cc Program Make Coordinate
cc Program for Linux Platform
cc Data the MOPAC program output file (*.arc), this program make an output
cc which may be imported
cc by programs as Microsoft Excel, GNUMERIC, etc
cc By: Goncalves, A.S. (2008)
cc Note1: This program only is correctly executed if we make conformational
cc search from zero to 360 degree with a step of 5 degrees.
cc
Program makecoord
character arc*30, nomeout*30
dimension x(1000),y(1000)
a=system('clear')
a=system('ls -ltrh *.arc')
Print *,'Give the name of arc file'
Read *,arc
Print *,'Give the name of output file'
Read *,nameout
OPEN(1,FILE=arc)
OPEN(7,FILE=nameout)
do m=1,9
read(1,*)
enddo
l=1
do n=1,9
read(1,'(8f7.2)') x(l),x(l+1),x(l+2),x(l+3),x(l+4),x(l+5)
& ,x(l+6),x(l+7)
read(1,'(8f7.2)') y(l),y(l+1),y(l+2),y(l+3),y(l+4),y(l+5)
& ,y(l+6),y(l+7)
read(1,*)
l=l+8
enddo
do n=1,72
write(7,'(f7.2,2x,f7.2)') x(n),y(n)
enddo
end
```

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