Monstergauss

Author

Mike Peterson

Homepage

The author´s homepage contains sources, documentation, additional conversion programs and lots of other usefull stuff.
http://crc.rubberchickencult.ca/~mikep/MG/

Source

Source code is available in the project homepage.
http://crc.rubberchickencult.ca/~mikep/MG/

Reference

Peterson, M., Poirier, R.: MonsterGauss. Department of Chemistry, University of Toronto, Canada (1980).

Description & Use

Monstergauss performs ab initio calculations.

Quick start

Structure of a typical input file includes e.g.:

```
*MOL BA=[basis] [other options]
(blank line)
[charge] [multiplicity]
[Z-matrix in Gaussian style]
(blank line)
...
```

Use in command line / shell:

```
gaussts t < [input file] > [output file]
```
(in Windows command line)

or

```
./gausstst < [input file] > [output file]
```
(in Android shell).

The result will appear in the same location.

Note: The program is currently not able to run CI calculations (bug in the code - under study).

Program status

The current package contains MONSTERGAUSS binaries of primary version compiled for the particular Android hardware platforms and adapted for running in terminal environment.

License

Monstergauss

The distribution is published as freeware at Mobile Chemistry Portal and Google Play Store with kind permission of Mike Peterson.

MinGW

The Windows version contains few essential dynamic link libraries which are part of MinGW runtime.
http://www.mingw.org/

X11-Basic

GUI of the Windows version was built using X11-Basic (by Markus Hoffmann) framework (GPL v.3). For correct functionality, SDL library (available under GNU LGPL license) is included in package.
http://x11-basic.sourceforge.net/
https://www.libsdl.org/

Advanced Installer

The MSI installer for Windows was created using the Advanced Installer (Freeware edition).
https://www.advancedinstaller.com/
https://www.advancedinstaller.com/top-freeware-features.html

Contact

Compilation of the source code for Android/Windows as well as the Android/Windows app development was done by Alan Liška (alan.liska@jh-inst.cas.cz) and Veronika Růžičková (sucha.ver@gmail.com), J. Heyrovský Institute of Physical Chemistry of the CAS, v.v.i., Dolejškova 3/2155, 182 23 Praha 8, Czech Republic.
Website: http://www.jh-inst.cas.cz/~liska/MobileChemistry.htm