

Tencube/WM + **XA-Chem-Suite**

for computational chemistry

Tencube/WM is a GUI software to support molecular modeling, computation of molecular orbit and display the result of computation all on your windows PC. Tencube/WM succeeded all power of Winmostar, and added with windows' job scheduler and job transfer to Unix(Linux) machine. **You can also run XA-Chem-Suite from Tencube/WM.**

Tencube/WM includes MOPAC6 and CNDO/S (for UV/VIS. spectrum calculation), and also has a routine for interfacing GAMESS or Gaussian. Thus with Tencube/WM, you can set up an efficient working environment for computational chemistry.

You can construct your molecule with quick responding graphical editor by simple mouse operation and also can directly manipulate the Z-matrix table shown real time. The frustration free operation and seamless computational environment makes this software one of a kind GUI for computational chemistry ever created.

*OS: Windows 2000 / Xp / Vista / 7

WM graphic editor

With simple mouse operation, you can easily build your molecule following your intuition and, even for the untrained, easy to be accustomed in a short time. You will enjoy manipulating your molecule with menu buttons including add, replace, delete, move or rotate, and all of them can be targeted to single atoms or to the local segments in your molecule. The editor also has a function to clean up molecular structure with simple version of molecular force field optimization. The WM editor provides Z-Matrix table editor to prepare input table for MOPAC or Gaussian.

Computation

Tencube/WM package contains MOPAC and CNDO/S (for UV/VIS. spectrum calculation). Tencube/WM can execute almost all version of MOPAC, Gaussian and Gamess by generating necessary input files for them.

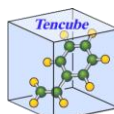
Calculation of molecular surface area, volume, ovality and aspect ratio. PIO analysis.

Visualization of the result

Tencube/WM can visualize; optimum structure of the molecule, electrostatic charge of atoms, dipole moment and energy level with stereoscopic options; animation of optimization process or reaction coordinate analysis; UV and Visible spectrum or NMR spectrum; IR spectrum and vector animation of basis vibration; molecular orbit.

What is XA-Chem-Suite?

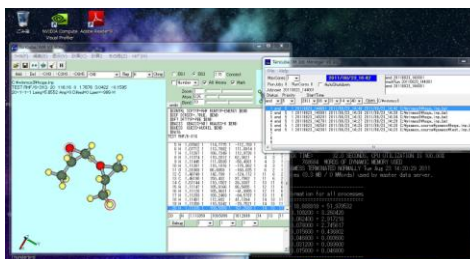
GPGPU / AVX acceleration of GAMESS,
WinGAMESS 64bit



Tencube
Institute Ltd.

In the near future...

We will sell preinstall Windows GAMESS
note-PC with NVIDIA GPU and Intel
SandyBridge CPU.



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