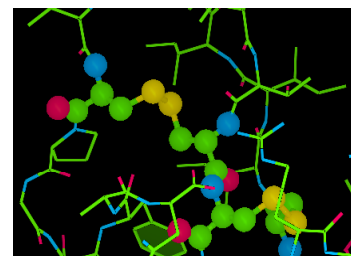**Dear colleague,**

Many years ago you ordered the WHAT IF software, and I hope it has served you well. Time didn't stand still, and neither did computer technology, nor WHAT IF development.

Computers got faster, memories got bigger, disks got much bigger, graphics cards improved a lot, and internet connections got better. Today's WHAT IF, although still humble in its requirements, can use these improved computer facilities, and it can offer you science in many more directions than previous versions.
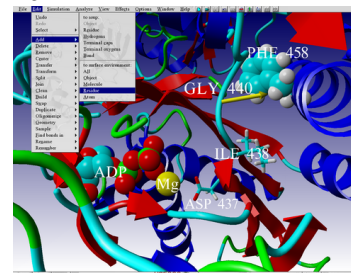
As a licensed WHAT IF user, you are entitled to a free update, and this flyer is meant to inform you about that. You can do two things now. One option is to read this flyer, and to enjoy the pictures and all the new options that will be mentioned briefly. The other option is to turn this page around and order your free WHAT IF update. As promised many years ago, this update is free, and a promise is a promise. The new WHAT IF comes for both Linux and Windows systems (yes, the Windows version is for free now).

This is not a sales pitch. We don't claim we are the best, we just let the 1300 citations to the WHAT IF article do the talking. WHAT IF does not claim to build better models than other software, but we suggest you look at the CASP pages and see which software does well. We also suggest you look at all software that was around in the late 80's of the previous century and ask the questions "If we had bought this or that software, how often would we already have had to move to a new package", and "What did I pay per year for WHAT IF"? Whatever you do, I hope WHAT IF can be of use to you and can help you do great science.
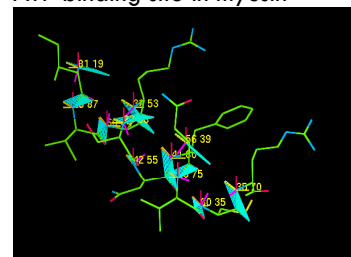
The layout of this flyer already suggests that WHAT IF is no longer alone. It has gotten a Siamese-twin brother called YASARA. YASARA was written by Elmar Krieger, mainly while he was a PhD student in our group at the CMBI in Nijmegen. Elmar commercialized YASARA, but
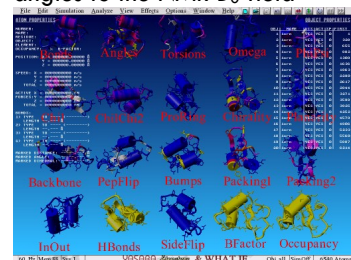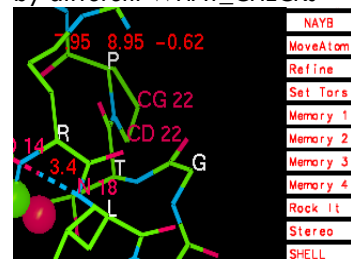

WHAT IF: Close-up view of 1crn

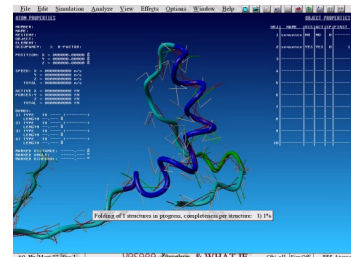TWINSET: Closeup view of the ATP binding site in myosin

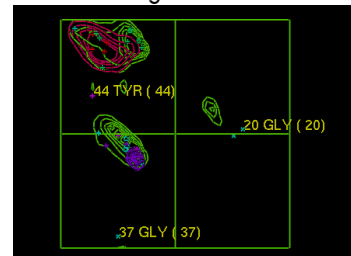WHAT IF: Helix with highlighted angles to the NMR B_0 field

TWINSET: 20xCrambin, colored by different WHAT_CHECKs

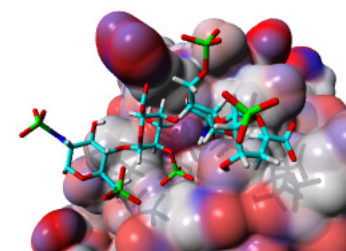WHAT IF: Distance measurements and new label facilities

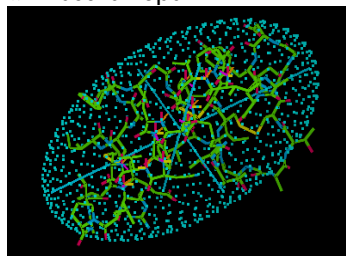TWINSET: NMR structure determination using NOEs
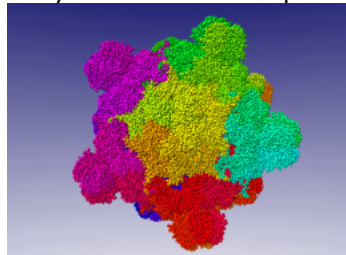

WHAT IF: Ramachandran plot of 1CRN
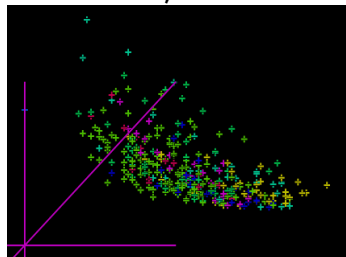
WHAT IF: Protein structure ensemble

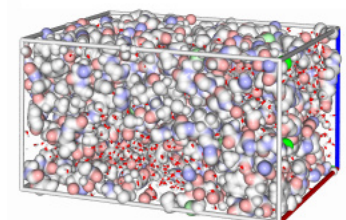TWINSET: Ray-traced surface with bound heparin

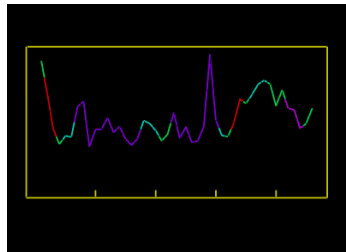WHAT IF: Principal axis analysis and Fibonacci ellipsoid

TWINSET: Virus capside with 300000 atoms, interactive

WHAT IF: Residue property plot

TWINSET: Reconstructed crystal unit cell with waters + ions

WHAT IF: Crambin B-factor plot

don't worry, it is partly free, and the remainder costs only a fraction of what others ask. WHAT IF can work stand-alone, and so can YASARA. If, however, you like YASARA, but occasionally need some WHAT IF options, or if you like WHAT IF, but you want a fancy interface around it, you can get the Twinset, which is YASARA with WHAT IF inside. Yes, you run YASARA, and when you want a WHAT IF specific option, you just call it, and YASARA will display the WHAT IF MOL-item in its fancy user interface. But again, WHAT IF can work stand-alone, YASARA can work stand-alone, and the Twinset combines both programs.

To obtain your free WHAT IF update, follow these steps:

1) In the period 1/1/2006 - 31/3/2006 go to the free update page at http://swift.cmbi.ru.nl/whatif/free6.0/

2) Fill out the form (just to make sure that we have your latest data so that we can send you a flyer again in five years or so).

3) When asked for your user-number, use 20246.

4) Wait 1-72 hours (depending on how many people request an update at the same day) for a password.

5) Use that password to go to http://swift.cmbi.ru.nl/whatif/6.0/ and download the version and the databases you want/need.

Important: REMEMBER your username and the password because they will remain valid for a long time. So, after March 2006 you can use this username/password combination to obtain WHAT IF 6.1, WHAT IF 6.2, etc.

To obtain YASARA, just surf to www.YASARA.org

Finally, if you use WHAT IF, we would like you to refer to:

WHAT IF: a molecular modeling and drug design program.

Vriend G., J.Mol.Graph. (1990) 8, 52-56.

All the best,

Gert Vriend