## JANA2006, version 01/04/2010
### New version of Jana2006 for Windows is available in jana.fzu.cz

Dear users of Jana software,

We have pleasure to announce the maintenance release of Jana2006 for Windows.

### *New features:*

- New option for refining electron diffraction data has been included. Electron form factors for neutral atoms were added into Jana2006 data files.

- (*Import of data*) HKLF5 can be handled also by Jana tools. That means overlaps can be treated like defined in HKLF5 or using twinning matrices. The form for completing transformation and twinning matrices during the import procedure has been considerably modified.

- (*Parameters-Molecules*) The option for defining new molecules or new molecular positions has been improved.

- (*Parameters – Atoms*) The procedure for adding of H atoms was improved, for nitrogen and oxygen the procedure starts always in manual mode. Renaming of atoms in "Edit Atoms" is reflected on all commands in M40 and M50 (equations, keep commands etc)

- (*Grapht*) New function Movie.

- (*Contour*) Points from Fourier maps can be saved for later use, especially for definition of a new molecular position. The procedure for defining p.d.f. and j.p.d.f. now works like wizard.

- (*Refine*) For modulated structures non-positivity of harmonic ADP is now tested in whole region of t values. List of singularities in each refinement cycle is now written to the refinement listing.

- (*Parameters – Options*) User can define CIF file containing an information specific for the lab (instrument parameters, references etc.)

- Small improvements and bug repairs

UNIX version: still under development

Manual: still under development but in the Jana page the latest Cookbook from Jana Ad Hoc workshops is available: jana.fzu.cz/workshops/cookbook.zip

We wish you a lot of successful refinements with Jana2006!

Best Regards,

Vaclav Petricek
Michal Dusek
Lukas Palatinus