DIAMOND

Crystal and Molecular Structure Visualization
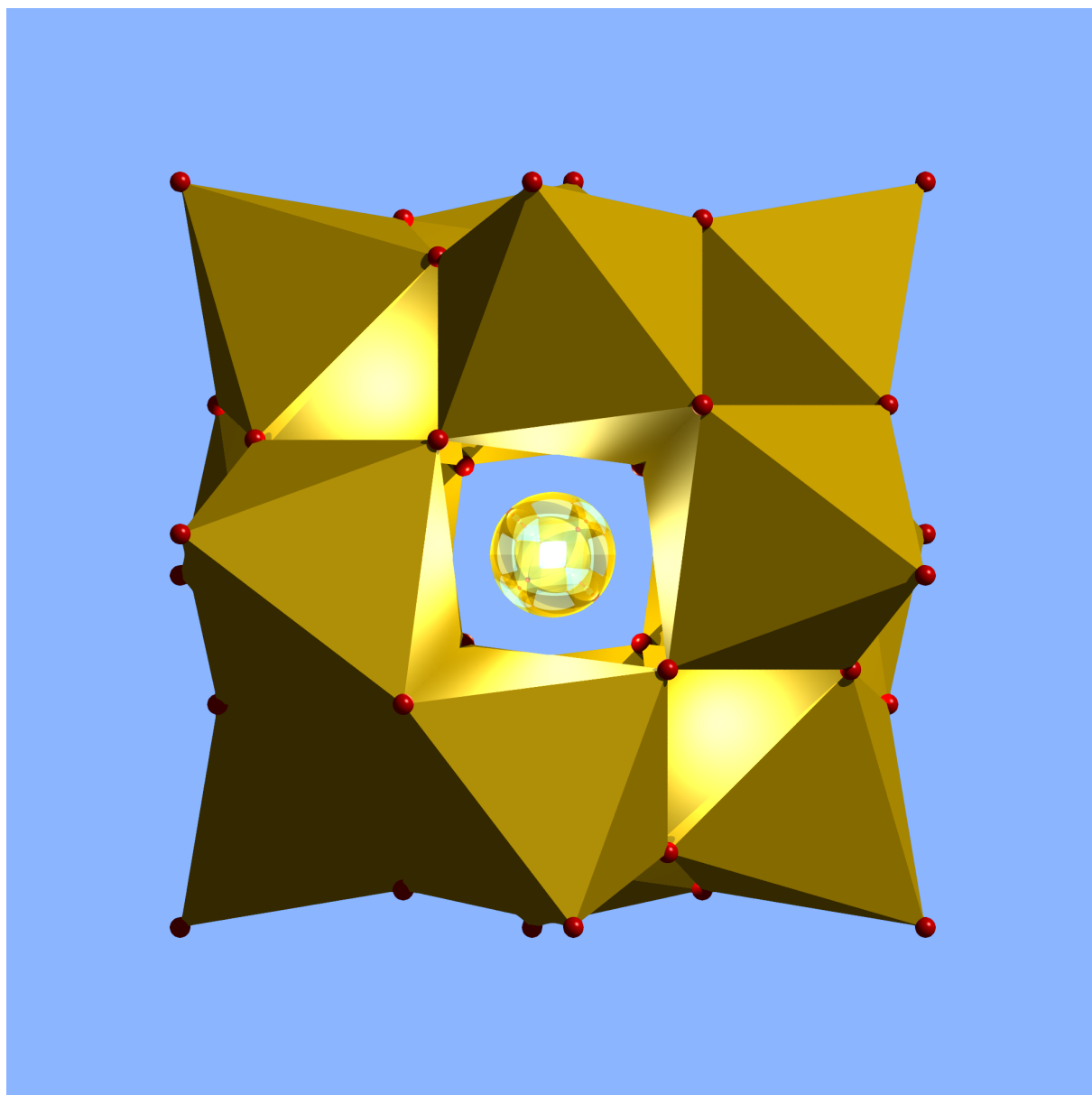

New visions of your crystal structures!

CRYSTAL IMPACT

Diamond, the well-known program for the visualization and exploration of crystal structures, has been improved again: Version 4 contains a lot of new features, in addition to many functions of earlier versions that have been enhanced significantly (like the definition of connectivity or the exploration of the structure).

Below the screenshots, you will find lists of some of the most outstanding improvements and new features. Visit our Diamond 4 web pages for more detailed information:

https://www.crystalimpact.de/diamond/Default.htm
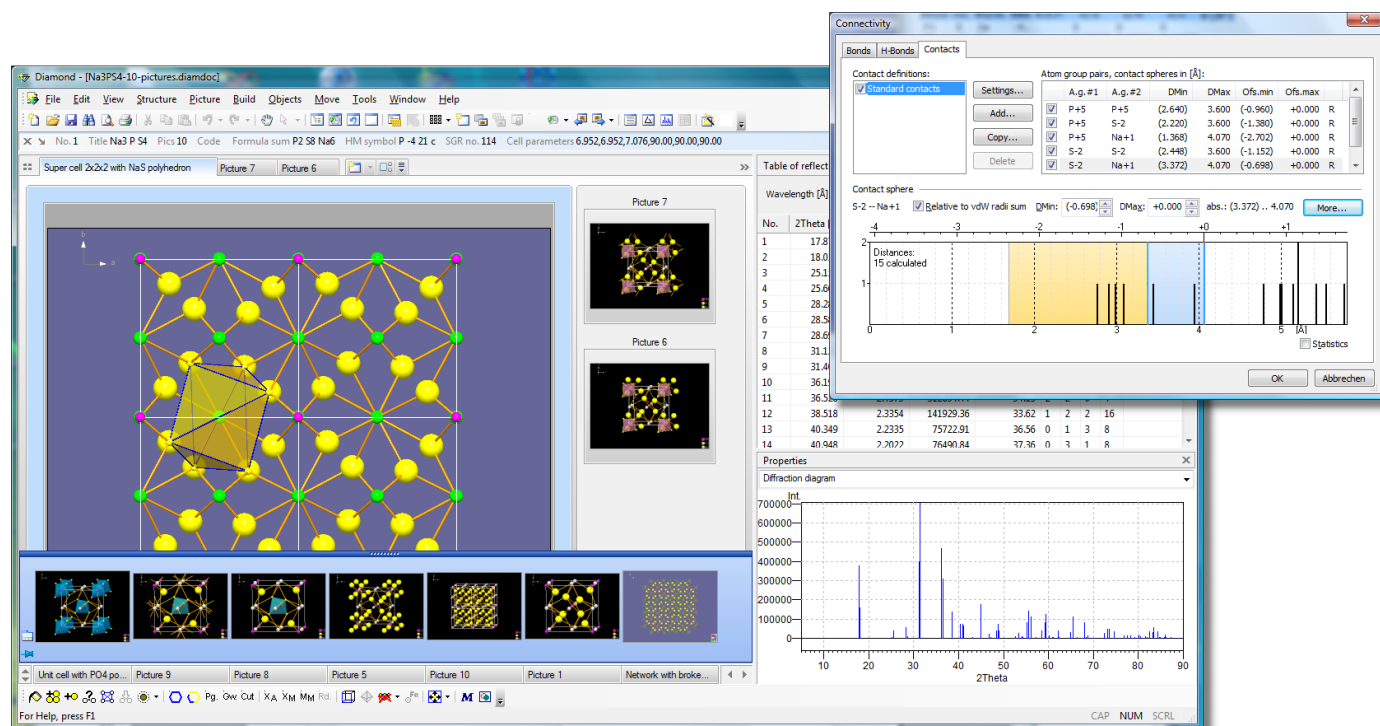
New and Enhanced Features

- Intuitive structure exploration: preview neighbouring atoms and molecules e.g. using the mouse wheel.
- Improved evaluation of bonding spheres (connectivity), including non-bonding contacts, improved handling of H-bonds, and determination of atom site environments using Dirichlet domains (Voronoi polyhedra).
- Easy application of user-defined design schemes.
- New options to create a packing diagram: cell range, sphere, slab, or slice of molecules.
- Improved functions to complete molecular fragments, generate symmetry-equivalent molecules, and search for non-bonding contacts.
- Expand or reduce coordination spheres around selected atoms, clusters of molecules, molecular fragments or polymers.

- Full screen view of structure picture.
- Better integration and correlation of the different views.
- Access to the crystal structure database COD ("Crystallography Open Database").
- Small database of most frequent structure types.
- Improved searching of Diamond documents and structure files on your hard disk.
- Undo/Redo now with multiple steps together, assisted by thumbnail pictures of the previous conditions.
- Acceleration of structure picture drawing.
- Anti-aliasing.
- Animated POV-Ray pictures or video sequences from POV-Ray pictures.

System Requirements

- Windows XP, Vista, Windows 7, 8, 10 or 11
- Microsoft Internet Explorer 8 (or higher)
- 1 GB of RAM
- 3.8 GB of free disc space (or more)
- DVD drive (for installation from DVD)
- Graphics resolution: 1024 x 768, high color

Prices

	non-profit org.	profit org.
Semiannual license (6 months)	162.50 €	325 €
Annual license (1 year)	325 €	650 €
Single license (permanent)	649 €	1,298 €
Site licence (permanent)	1,298 €	2,596 €
Campus licence (permanent)	2,596 €	5,192 €

* Prices do not include taxes which may be due.