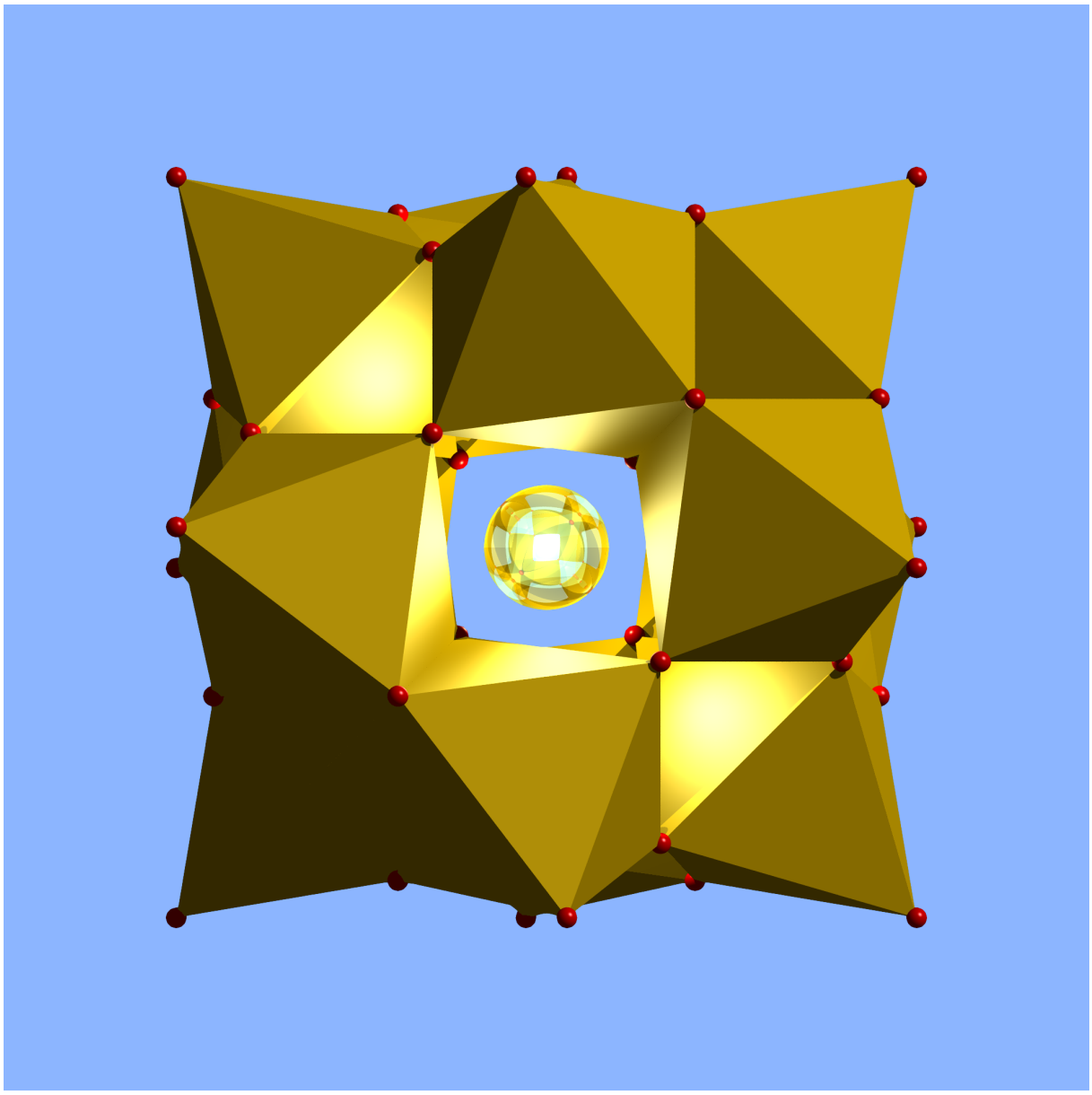
DIAMOND

Crystal and Molecular Structure Visualization



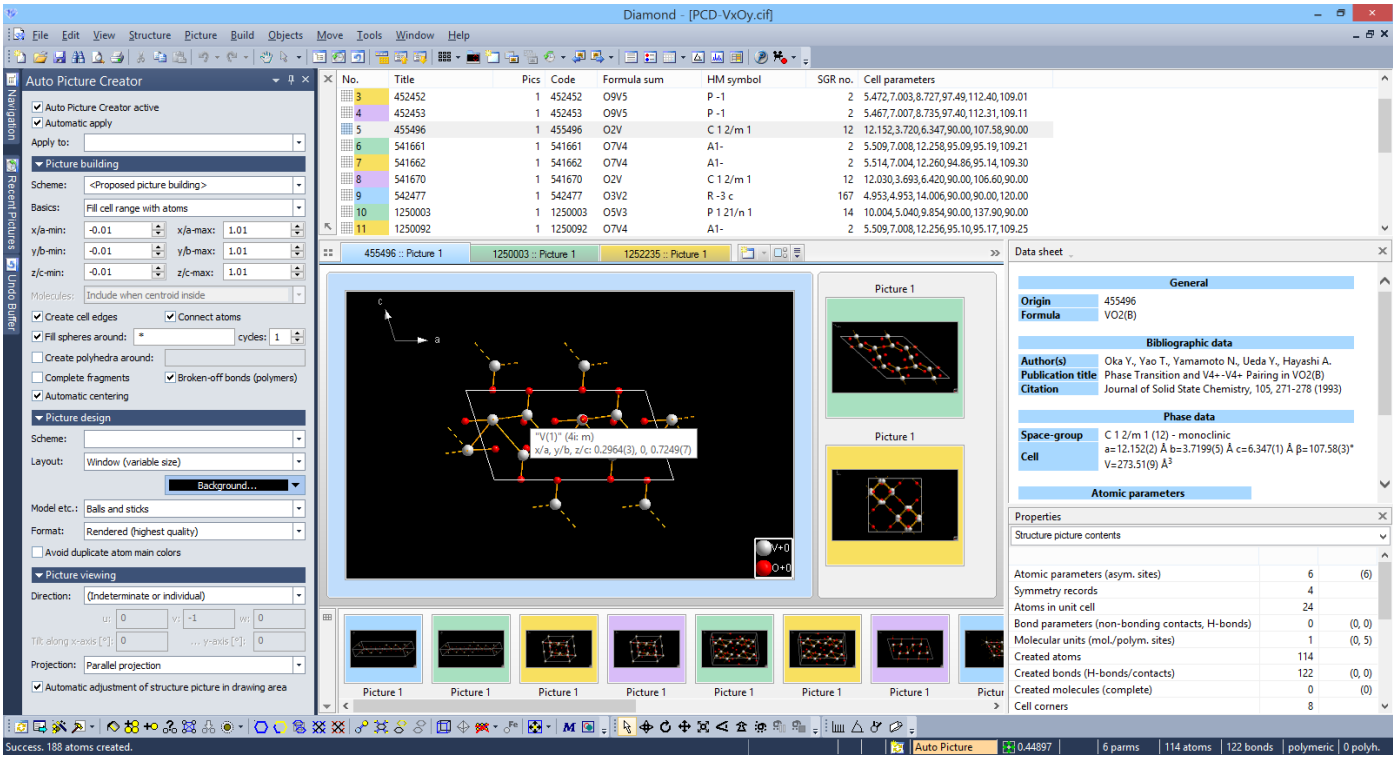
New visions of your crystal structures!

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

http://www.crystalimpact.com/diamond/Default.htm



New and Enhanced Features

- "Auto Picture Creator" docking pane automatically applies changes in building options, picture design and viewing direction directly to the structure picture.
- "Grab mode": New mode for more intuitive rotation, shifting or zooming during exploration of a crystal or molecular structure.
- 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.
- Creation of Voronoi polyhedra
- 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.
- Access to the crystal structure database COD ("Crystallography Open Database").
- 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.

System Requirements

- Windows XP, 2003 Server, Vista, Windows 7 or 8
- Microsoft Internet Explorer 8 (or higher)
- 512 MB of RAM (or more)
- 3.8 GB of free disc space (or more)
- DVD drive
- Graphics resolution: 1024 x 768, high color

Prices*

	non-profit org.		profit org.	
Single licence	599 €	(299 €)**	1,198 €	(599 €)
Site licence***	1,198 €	(599 €)	2,396 €	(1,198 €)
Campus licence****	2,396 €	(1,198 €)	4,792 €	(2,396 €)

* Prices do not include taxes which may be due.
** Prices in brackets are update prices from version 3.
*** Unlimited number of installations within one institute/dept.
**** Unlimited number of installations within one university/company.

CRYSTAL IMPACT

CRYSTAL IMPACT GbR
Kreuzherrenstr. 102
D-53227 Bonn
Germany

Tel: +49 (2 28) 981 36 43
Fax: +49 (2 28) 981 36 44
E-mail: info@crystalimpact.com
http://www.crystalimpact.com