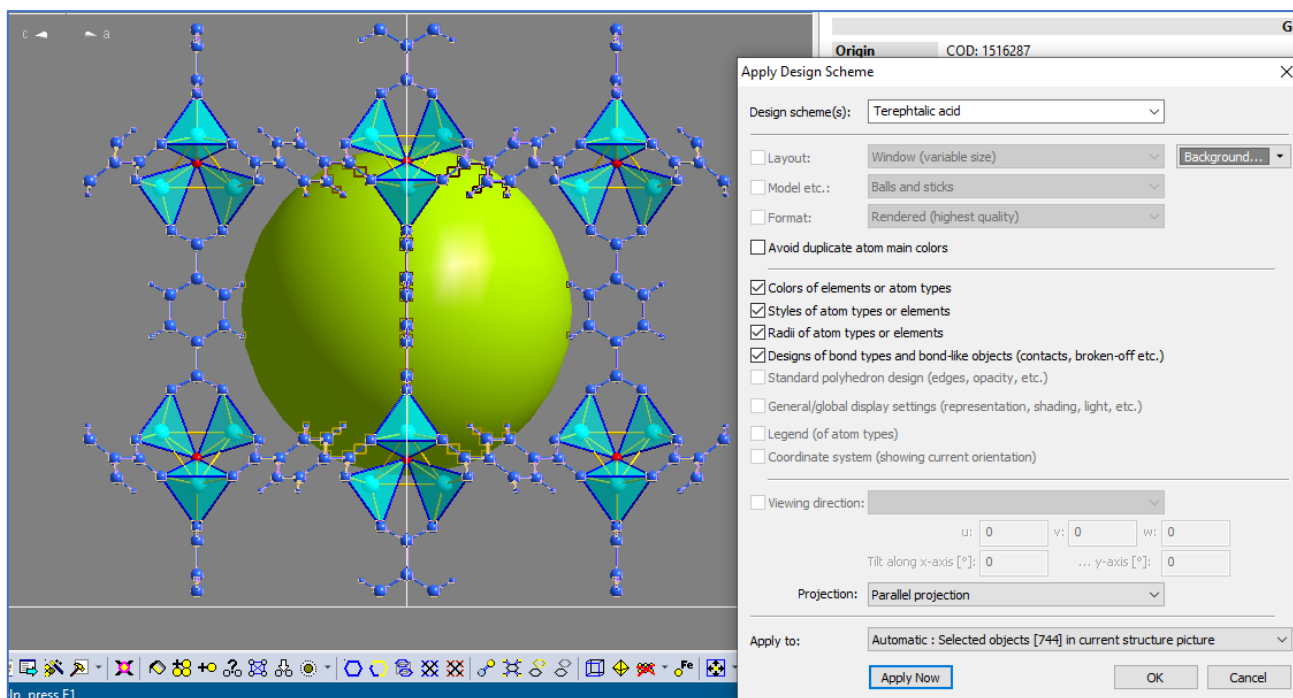




DIAMOND

Crystal and Molecular Structure Visualization



New Version 5.1

The **latest version 5.1** of **Diamond** offers several new commands and functional enhancements that are especially useful when designing building units like organic linkers in Metal Organic Frameworks (MOF).

A **new Diamond version 5.2** will offer new and enhanced functions for working with **H-bonds and non-bonding contacts**:

Outstanding features introduced in version 5 are:

- ✓ The **Exploration View**, which enables to study (strong) bonds as well as H-bonds and non-bonding contacts when checking for neighbouring atoms and molecules in an interactive way.
- ✓ Commands *Take Picture* and *Continue With New Picture* for an improved workflow when creating multiple pictures for a structure data set.
- ✓ *More Pictures* docking window and *Caption Bar* giving a simplified overview of structure pictures.
- ✓ A newer version of Crystallography Open Database (COD; www.crystallography.net).

More outstanding functions:

- ✓ Import with automatic format recognition
- ✓ Build up structure pictures automatically or manually
- ✓ Schemes (style sheets) for building and design
- ✓ Structure type database
- ✓ Ellipsoids, disorder, mixed sites
- ✓ Molecules, packing diagrams
- ✓ Polymers and molecule clusters
- ✓ Fragmentated and broken-off bonds
- ✓ H-bonds and non-bonding contacts
- ✓ Preview of neighbouring atoms and -molecules
- ✓ Atomic environments from Dirichlet domains
- ✓ Coordination and Voronoi polyhedra
- ✓ Atom vectors, labels, and free text
- ✓ Reflection parameters and diffraction diagrams
- ✓ Distances, angles, and torsion angles
- ✓ hkl- and L.S.-planes and lines
- ✓ 3D export to POV-Ray, OBJ, and STL
- ✓ Video sequences and animations

Diamond version 5.1 has been released in October 2024. Version 5.2 is scheduled for the second quarter of 2025.

The **update from Diamond version 4 to version 5** is **free-of-charge**.

<https://www.crystalimpact.de/diamond/Default.htm>

Price* for new License	academic	regular
Semiannual license (6 months)	162,50 €	325 €
Annual license (12 months)	325 €	650 €
Single license (permanent)	649 €	1.298 €
Site license (permanent)	1.298 €	2.596 €
Campus license (permanent)	2.596 €	5.192 €

* Prices do not include taxes which may be due.



CRYSTAL IMPACT
H. Putz & K. Brandenburg GbR
Kreuzherrenstr. 102
D-53227 Bonn

Tel.: +49 (228) 981 36 43
Fax: +49 (228) 981 36 44
E-Mail: info@crystalimpact.de
<https://www.crystalimpact.de>