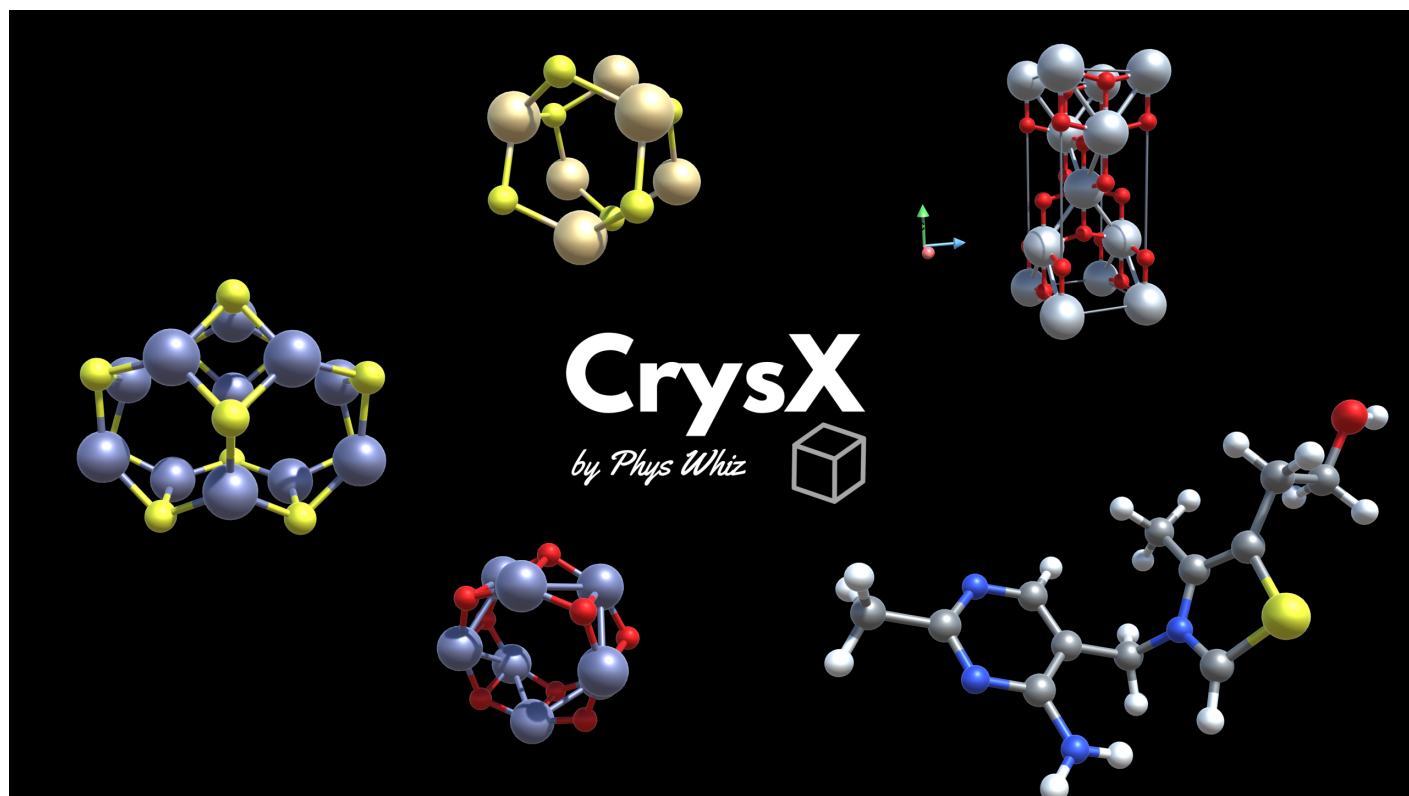


by Manas Sharma (Phys Whiz)



The Crystal Visualizer tool offers cross-platform compatibility, being accessible on *Windows*, *MacOS*, *Linux*, and *Android* devices. This sophisticated visualizer empowers users to explore crystal and molecular structures as well as isosurfaces by opening popular file formats such as *.cif*, *.xyz*, *.cub*, *.mol*, *POSCAR*, *CONTCAR*, *extXYZ* and *Turbomole* format. By harnessing the power of the Unity3D gaming engine, the visualizer ensures unrivaled and unprecedented graphical fidelity, surpassing any other existing molecule or crystal visualization software.

This application holds significant value for researchers as it facilitates the creation of illustrations and figures for research papers, graphical abstracts, journal covers, theses, and dissertations. Researchers can effortlessly visualize lattice planes, depict vectors to represent electric or magnetic fields, and model various structures including supercells, monolayers (thin films/quantum wells), and quantum dots. Additionally, the application provides the capability to manipulate structures, such as creating vacancies or introducing impurities.

Moreover, the Crystal Visualizer allows for detailed analysis of structures, enabling measurements of bond angles and lengths. Although the application is designed to be intuitive, comprehensive YouTube tutorials and thorough documentation are readily available to expedite the learning process.

For any concerns, bug reports, inquiries, or feature requests, users are encouraged to visit the following URL:
<https://play.google.com/store/apps/details?id=com.bragitoff.CrysXViewer&pli=1>.

Download (Latest Version)

Android:

- APK : [CrysX-3D_Viewer_version_1.9.6_release.apk](#)
- Play Store : <https://play.google.com/store/apps/details?id=com.bragitoff.CrysXViewer>

Windows: [CrysX - 3D Viewer version 1.9.6 Windows](#)

Linux (64 bit & 32 bit universal): [CrysX-3D Viewer 1.9.6 Linux](#)

Mac OS: [CrysX - 3D Viewer 1.9.6 MacOS X](#)

Download (Older versions)

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[CrysX-3D_Viewer_version_1.9.2_release.apk](#)

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[CrysX-3D_Viewer_version_1.7_release.apk](#)

[CrysX-3D_Viewer_version_1.6_release.apk](#)

MacOS:

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Linux:

[CrysX-3D Viewer 1.9.5 Linux](#)

[CrysX-3D Viewer 1.9.4 Linux](#)

[CrysX-3D Viewer 1.9.3 Linux](#)

[CrysX-3D Viewer 1.9.2 Linux](#)

[CrysX-3D Viewer 1.9.1 Linux](#)

[CrysX-3D_Viewer_1.8_Linux_Universal](#)

[CrysX-3D_Viewer_1.7_Linux_Universal](#)

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[CrysX-3D_Viewer_1.5_Linux_Universal](#)

[CrysX-3D_Viewer_x86_64_linux](#)

Windows:

[CrysX - 3D Viewer version 1.9.5 Windows](#)

[CrysX - 3D Viewer version 1.9.4 Windows](#)

[CrysX - 3D Viewer version 1.9.3 Windows](#)

[CrysX - 3D Viewer version 1.9.2 Windows](#)

[CrysX - 3D Viewer version 1.9.1 Windows](#)

[CrysX - 3D Viewer version 1.9 Windows](#)

[CrysX - 3D Viewer version 1.8 Windows](#)

[CrysX - 3D Viewer version 1.7 Windows](#)

[CrysX - 3D Viewer version 1.6 Windows](#)

[CrysX- 3D Viewer version 1.5 Windows](#)

[CrysX- 3D Viewer version 1.4 Windows](#)

[CrysX- 3D Viewer version 1.3 Windows](#)

[CrysX- 3D Viewer version 1.2 Windows](#)

[CrysX - 3D Viewer version 1.0-Windows](#)

Installation Instructions

Android: APK / Play Store:

1. Go to this [link](#) on the Google Play Store using any Android device.
2. Click install.
3. Run the app from your Android phone.
4. Give permission to access storage when the dialog box appears.

Windows:

1. Download the latest version of the application using the link given above.
2. The downloaded file is a zip file. Unzip it.
3. Find and Run the file called *CrysX-3D Viewer.exe*.

Screenshots

This slideshow requires JavaScript.

Sample readable (CIF and XYZ) Files

Download: [MolFiles](#)

Instructions:

1. Download the readable crystal/molecule files from the download link above.
2. The file is a zip file. Extract/Unzip the contents.
3. Place the contents to a folder that is easily accessible to you.
4. Run the app. Click on the 'Folder icon' in the upper-left corner.
5. Browse to the location you stored the files you just downloaded and extracted.
6. Change the filter to CIF if you want to open .cif files or change it to XYZ if you want to open .xyz files.

Pricing

The software is completely free to use. Although donations are welcome if you like it. Please cite us if you use it in academic work, such as a research paper, article, dissertation, or a thesis.

How to cite us?

The recommended way to cite CrysX - 3D Viewer is:

M. Sharma and D. Mishra, Journal of Applied Crystallography 52, (2019).

Article link: <https://onlinelibrary.wiley.com/iucr/doi/10.1107/S1600576719013682>

DOI: <https://doi.org/10.1107/S1600576719013682>

YouTube Tutorials

Change Log:

Version 1.9

A bunch of new features have been added to enhance the visualizations.

1. A new menu called 'Visuals' is added that lets you add effects like bloom/glow to your visualizations. Note: It works best with black/dark backgrounds.
2. Isosurfaces can now be visualised using two additional particle shaders. You can choose from 3 shaders in the 'Visuals' menu. Please note: The particle shader 2 and 3 work only with dark backgrounds. Particle shader 3 looks phenomenal with a black background and bloom effect at an intensity of 9.
3. You can now add a plane (cuboid) to your molecular/crystal structure. You can access it from the 'Draw' menu. This is useful to portray a substrate and allows to make some stunning TOCs (graphical abstracts.). This will definitely increase the chances of your paper to land on the cover page.
4. Fixed the issue of mouse not working on Windows devices with touchscreens.
5. Fixed the issue of problem in reading CUB files with negative number of atoms.