

STL Viewers and Thumbnail Generators

Mayo

<https://github.com/fougue/mayo>

stl-thumbnailer (Fedora 34)

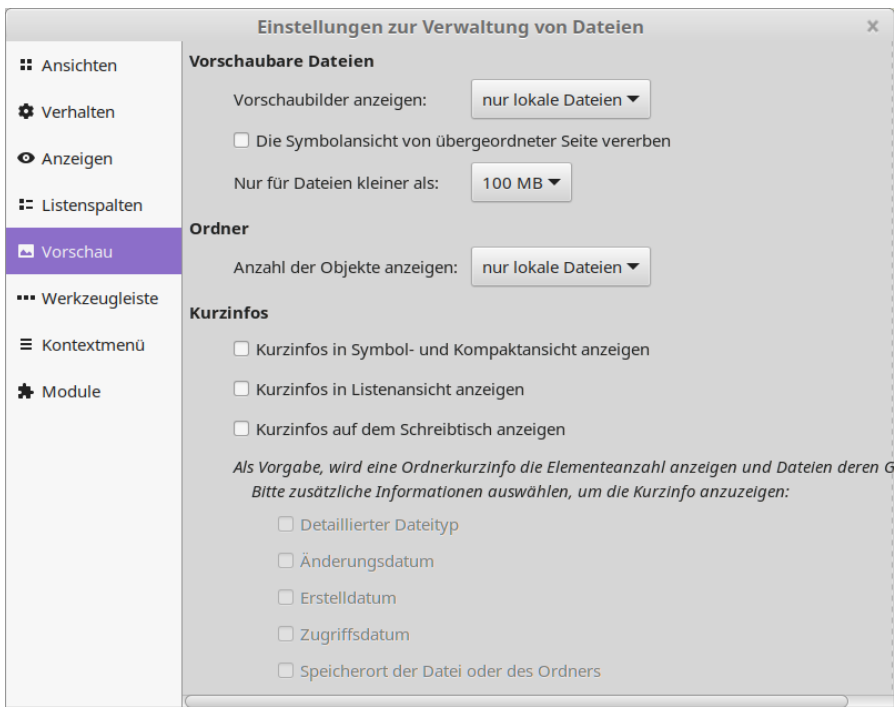
- Unterstützt *.scad und *.stl
- funktioniert für *.stl aber nicht für uppercase *.STL. Man muss dies per Hand umbenennen
- funktioniert nur für binary STLs. Selbst wenn stl-thumbnailer für STL-Dateien statt OpensCAD die Software stl-thumb verwendet, wird nur binary unterstützt, obwohl stl-thumb an sich ASCII unterstützt. Hier kann `"/usr/share/thumbnailers/stl.thumbnailer"` editiert werden

```
vim /usr/share/thumbnailers/stl.thumbnailer
```

```
Exec=/bin/stl-thumb %i %o --size %s
```

<https://github.com/vmario89/stl-thumbnailer>

If some preview files are not generated just configure the maximum file preview size from default of 1 MB to 1 GB



stl-thumb

Windows und Ubuntu/Debian:

<https://github.com/unlimitedbacon/stl-thumb>

Fedora:

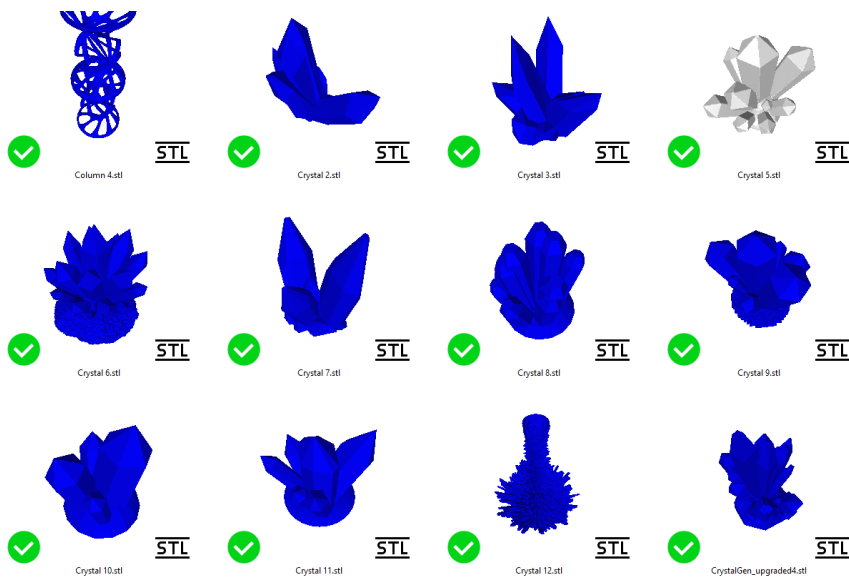
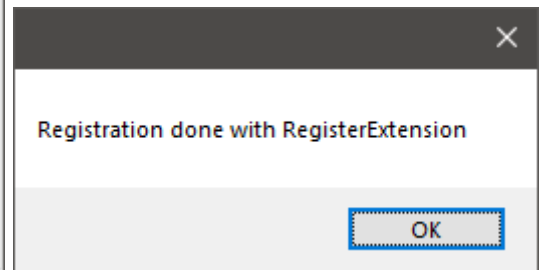
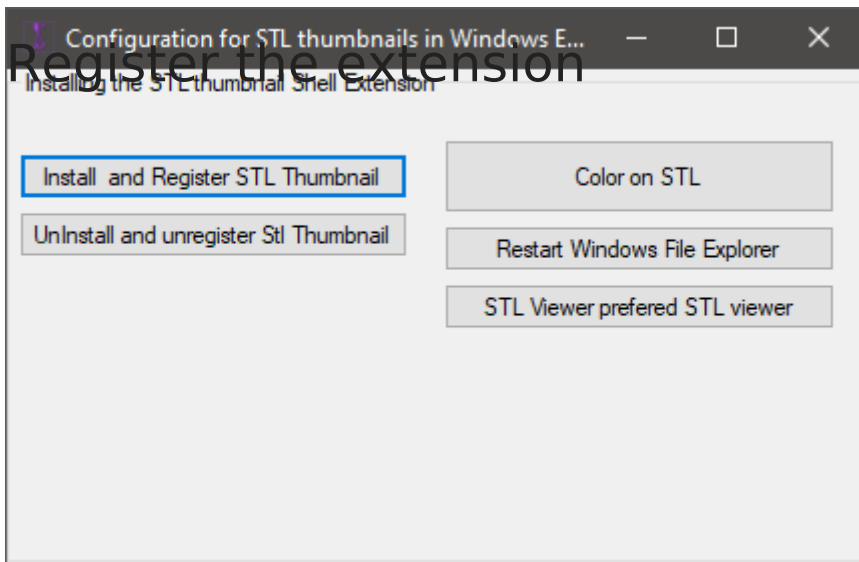
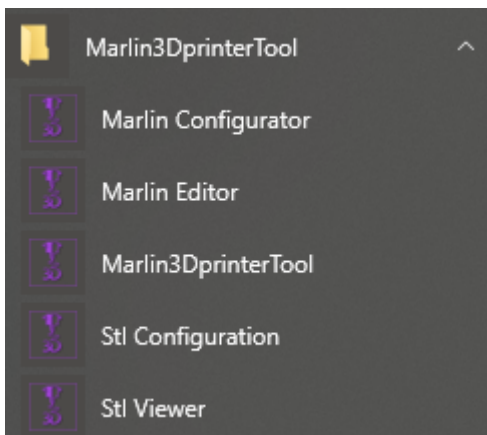
```
cd ~
git clone https://github.com/unlimitedbacon/stl-thumb.git
cd stl-thumb
sudo dnf install cargo
cargo build
cp ~/stl-thumb/target/debug/stl-thumb /bin/ #copy stl-thumb executable to binaries
```

Marlin3dprintertool

Download

<https://marlin3dprintertool.se/stl-thumbnail>

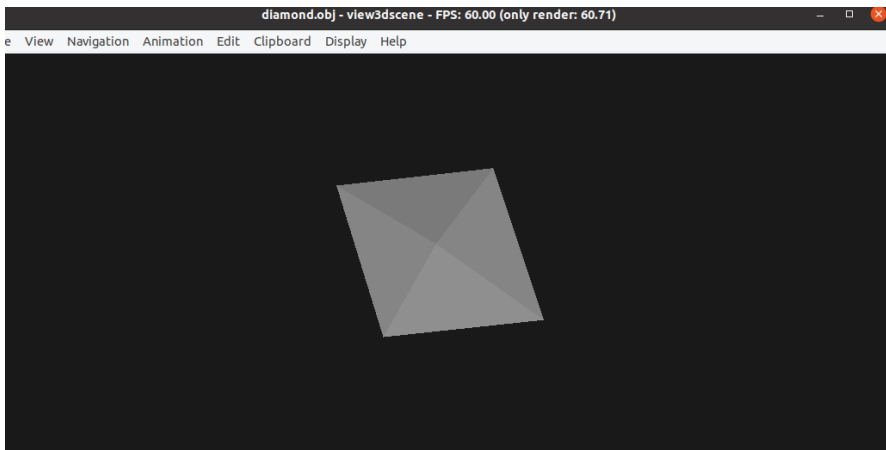
Start "Stl Configuration" tool



view3dscene (Castle Game Engine)

<https://castle-engine.io/view3dscene.php>

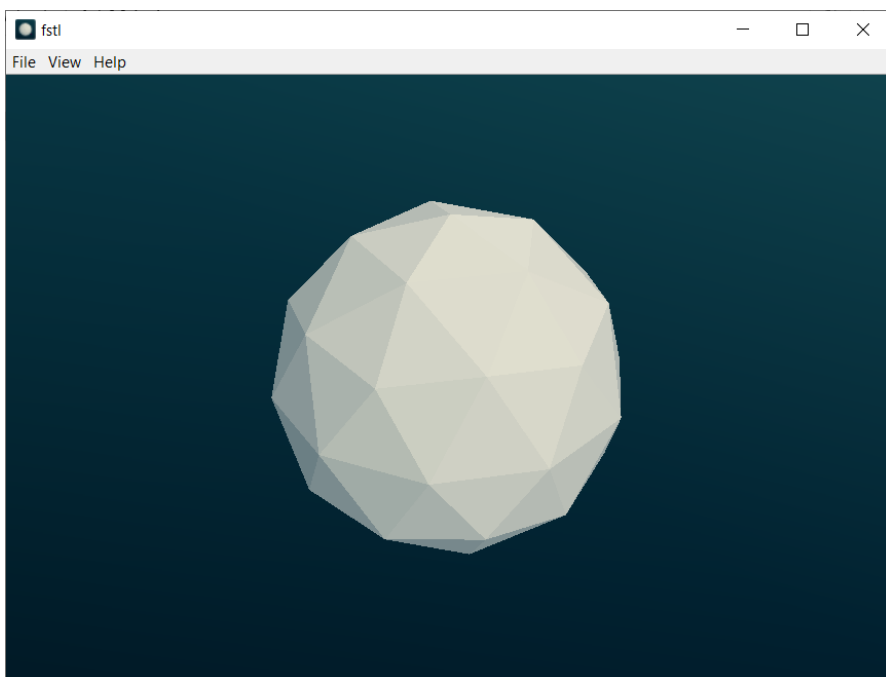
can open other important formats like `obj`



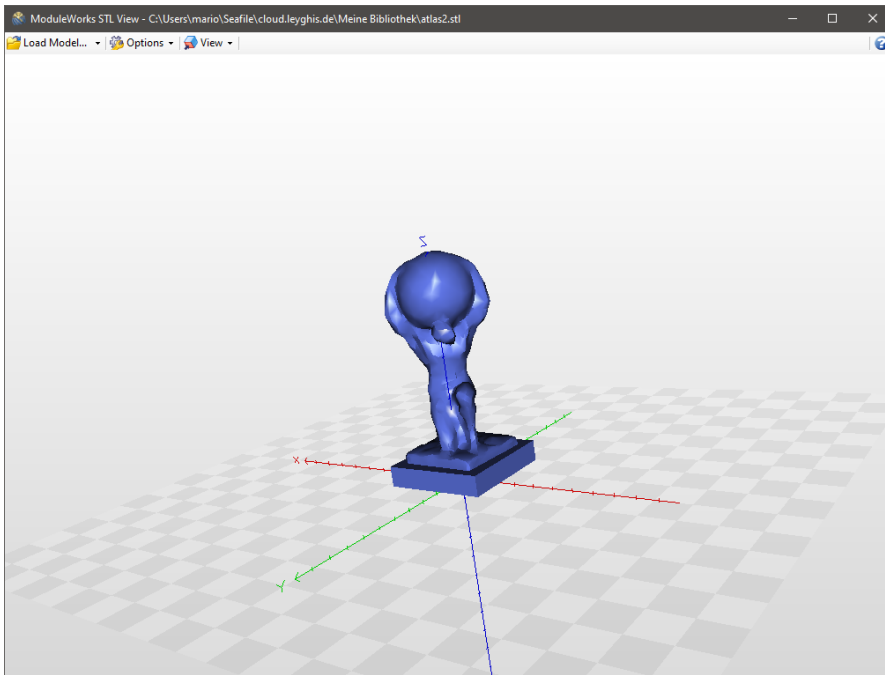
fstl

Speedy and easy stl viewer for all relevant know OS platforms.

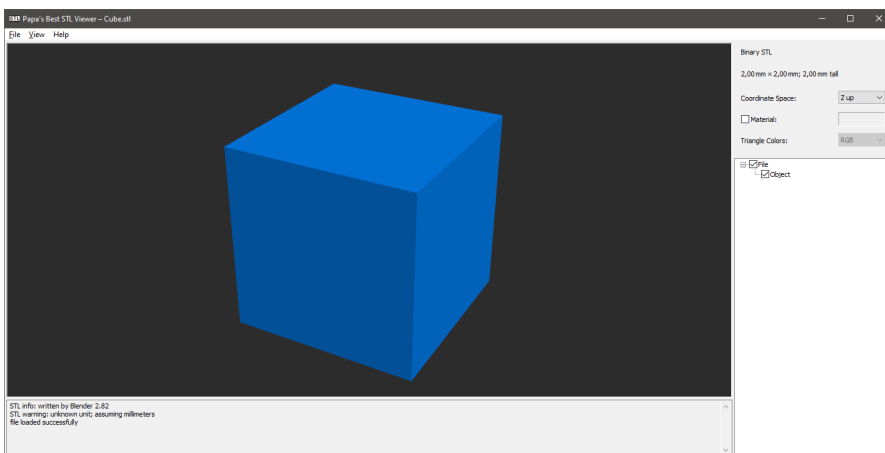
<https://github.com/mkeeter/fstl>



ModuleWorks STLView



Papa's Best STL Viewer



F3D

<https://f3d.app>

works for a lot of formats, like DXF, STEP, STL, ...

.dxf thumbnail is not shown correctly for 2D DXF

Make it compatible to Fedora:

```
sudo dnf install alien
sudo alien --to-rpm -vv f3d-1.3.1-Linux.deb
```

```
sudo rpm -ivh f3d-1.3.1-2.x86_64.rpm --nodeps --force
```

```
#th thumbnailer gets installed to /usr/share/thumbnailers/
```

Fix to rotate dxf 90° by adding `--up` parameter:

```
cat /usr/share/thumbnailers/f3d.thumbnailer
```

```
[Thumbnailer Entry]
Type=X-Thumbnailer
Name=f3d Thumbnailer
TryExec=f3d
Exec=f3d --dry-run -sta --up=-Z --no-background --output=%o --resolution=%s,%s %i
MimeType=application/vnd.3ds;application/gml+xml;application/dicom;model/gltf-
binary;model/gltf+json;application/vnd.mhd;application/vnd.nrrd;model/obj;application/vnd.ply;
application/vnd.pts;model/stl;application/x-
tgif;model/vrml;application/vnd.vtk;application/vnd.vtp;application/vnd.vtu;application/vnd.vt
r;application/vnd.vti;application/vnd.vts;application/vnd.vtm;model/iges;application/vnd.step;
application/vnd.fbx;application/vnd.dae;image/vnd.dxf;application/vnd.off;application/vnd.abc;
application/vnd.exodus
```

Version #1

Erstellt: 2025-10-14 23:54:33 CEST von Mario Voigt

Zuletzt aktualisiert: 2025-10-14 23:57:57 CEST von Mario Voigt