

Imaging and Color

Color Science

- OpenColorIO (ASWF Adopted)
- rawtoaces (ASWF Incubation)
- ACES
- AMT
- COLOUR
- wetaFX PhysLight

Image Formats, I/O, and Processing Libraries

- OpenEXR (ASWF Adopted)
- OpenImageIO (ASWF Incubation)
- FFmpeg
- gating
- OpenColorIO
- OpenNVC
- pfstools
- Ptex
- PySceneDetect
- sequencer
- three.js

Display and Review

- DPXL (ASWF Incubation)
- OPEN REVIEW INITIATIVE (ASWF Sandbox)
- Open RV
- tRender

Interactive Compositing and Painting

- AUTHORITYFX (ASWF Member Company)
- Aton
- CinePaint
- gimp
- NATRON
- PhotoFlow
- trackemantics

Assets and Workflow

Scenes and Geometry

- Academy Software Foundation USD Working Group (ASWF Working Group)
- ALEMBIC
- AliceVision
- COLLADA
- DNEG (ASWF Member Company)
- Autodesk
- Maya Reticle
- MESHROOM
- OpenSubdiv
- OpenFlipper
- OpenMesh
- PhysX by NVIDIA
- USD

Timelines and Animation

- OpenTimelineIO (ASWF Incubation)
- edl
- Timeline
- timecode

Pipelines and Frameworks

- OPEN ASSETIO (ASWF Sandbox)
- blender
- CGWIRE
- sortex
- aaffer
- Google Cloud OpenTimelineIO
- openPYPE
- kdenlive
- Olive
- TACTIC
- OpenTimelineIO USD Video Framework

Software Foundation and System Administration

- rez (ASWF Incubation)
- AUTHORITYFX (ASWF Member Company)
- ForestFlow
- PyMEL
- pyString
- QIPyConvert
- Soak Migrations

Rendering and Queuing

Rendering, Lighting, and Lookdev

- open shading language (ASWF Adopted)
- MATERIALX (ASWF Incubation)
- Autodesk
- Cryptomatte
- Intel Embree
- MOONRAY
- NVIDIA MDL
- Intel Open Image Denoise
- RenderFusion
- QUILTIX
- Stratovis

Queueing and Render Management

- OpenCue (ASWF Adopted)
- CGRU
- aws

Math and Simulation

- OpenVDB (ASWF Adopted)
- OpenFX (ASWF Incubation)
- Field3D
- Partio
- DNEG (ASWF Member Company)

File Formats and Interchange


- OpenUSD

Simulation

- OpenUSD



Math Foundations

- Academy Software Foundation Working Group for Rust Bindings (ASWF Working Group)
- ANN
- CGAL
- PIMath
- Se-Expr()



l.aswf.io

This landscape is intended as a map to explore open source projects within the animation and visual effects industry, and also shows the member companies of the Academy Software Foundation.

ASWF Member Company

Premier

- Academy of Motion Picture Arts and Sciences
- Adobe
- aws
- AUTODESK
- DNEG
- DREAMWORKS
- UNREAL ENGINE
- Google
- intel
- Microsoft

General

- NETFLIX
- NVIDIA
- mageworks
- Walt Disney Studios
- weta DIGITAL
- ANIMALLOGIC
- BOLT GRAPHICS
- Canonical
- CoreWeave
- FRANKSTONES
- ftrack
- hp
- MAXON
- MOD TESS
- otoy
- Red Hat
- RODEO
- SideFX
- FOUNDRY
- Wevr

Associate

- blender
- etc
- movie labs
- SMPTE
- KRONOS
- VES