

Imaging and Color

Color Science

**OpenColorIO**  
ASWF Adopted

**rawtoaces**  
ASWF Incubation

ACES  
COLOUR  
wetaFX PhysLight

Image Formats, I/O, and Processing Libraries

**OpenEXR**  
ASWF Adopted

**OpenImageIO**  
ASWF Incubation

gating  
FFmpeg  
libitmf  
OpenCV  
openAVG  
pftools  
Ptex  
PySceneDetect  
sequencer  
three.js

Display and Review

**DPXL**  
ASWF Incubation

**OPEN REVIEW INITIATIVE**  
ASWF Sandbox

Open RV  
JERI  
mirv2  
tRender

Interactive Compositing and Painting

AUTHORITYFX  
Aton  
CinePaint  
gimp  
NATRON  
PhotoFlow  
trackemantics



[l.aswf.io](http://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.



Assets and Workflow

Scenes and Geometry

**ACADEMY SOFTWARE FOUNDATION USD Working Group**  
ASWF Working Group

AUTODESK  
Maya Reticle  
OpenFlipper  
OpenMesh

ALEMBIC  
COLLADA  
DNEG  
OpenSubdiv  
MESHROOM  
PhysX  
USD

Timelines and Animation

**OpenTimelineIO**  
ASWF Incubation

edl  
fancemachine  
OpenTimelineIO  
timecode

Pipelines and Frameworks

**OPEN ASSETIO**  
ASWF Sandbox

blender  
CGWIRE  
bortex  
aaffer  
kdenlive  
Olive  
Google Cloud  
openPYPE  
TACTIC  
Walt Disney  
USD Video Framework

Software Foundation and System Administration

**rez**  
ASWF Incubation

AUTHORITYFX  
ForestFlow  
Lumina  
PYMEL  
XPY  
pyString  
QIPyConvert  
Soak Migrations

Rendering, Lighting, and Lookdev

**open shading language**  
ASWF Adopted

**MATERIALX**  
ASWF Incubation

Autodesk  
Cryptomatte  
Intel  
EMBREE  
MOONRAY  
NVIDIA  
MDL  
Intel  
Open Image  
Denoise  
RenderFlow  
QUILTIX  
Stratovision

Queueing and Render Management

**OpenCue**  
ASWF Adopted

CGRU  
aws

File Formats and Interchange

**OpenVDB**  
ASWF Adopted

**OpenFX**  
ASWF Incubation

Partio  
DNEG  
Open FX  
Open FX  
Open FX

Math Foundations

**ACADEMY SOFTWARE FOUNDATION Working Group for Rust Bindings**  
ASWF Working Group

ANN  
CGAL  
PILMath  
Se-Expr()

Math and Simulation

ASWF Member Company

Premier

ACADEMY OF MOTION PICTURE ARTS AND SCIENCES  
Adobe  
AMD  
aws  
AUTODESK  
DNEG  
DREAMWORKS  
UNREAL ENGINE  
Google  
intel  
Microsoft  
NETFLIX  
NVIDIA  
imageworks  
WALT DISNEY Studios

General

ANIMALLOGIC  
BOULDER  
CANONICAL  
CoreWeave  
FOUNDERSTONE  
ftrack  
hp  
MAXON  
MCDERMOTT  
otoy

Associate

Red Hat  
RODEO  
SideFX  
FOUNDRY  
Wevr  
blender  
etc  
movie labs  
SMPTE  
KHRONOS  
VES