

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  
Ptex

libitmf  
OpenCV  
PySceneDetect  
sequencer  
three.js  
VMAF

Display and Review

**DPXL**  
ASWF Incubation

**OPEN REVIEW INITIATIVE**  
ASWF Sandbox

tRender

Interactive Compositing and Painting

AUTHORITYFX  
Aton  
CinePaint  
gimp

NATRON  
PhotoFlow  
TrackPainters



[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

ed1  
Ranchhand  
Cinema 4D  
timecode

Pipelines and Frameworks

**OPEN ASSETIO**  
ASWF Sandbox

blender  
CGWIRE  
Cortex  
aaffer  
Google Cloud  
openPYPE

kdenlive  
Olive  
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  
StratusFX

Queueing and Render Management

**OpenCue**  
ASWF Adopted

CGRU  
aws

File Formats and Interchange

**OpenVDB**  
ASWF Adopted

**OpenFX**  
ASWF Incubation

Field3D  
OpenVPCal  
Partio  
DNEG  
mauric SOP

Math Foundations

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

ANN  
CGAL  
PILMath  
Se-Expr()

ASWF Member Company

Premier

ACADEMY OF MOTION PICTURE ARTS AND SCIENCES  
Adobe  
AMD  
aws  
AUTODESK  
DNEG  
DREAMWORKS  
EPIC GAMES  
Google  
intel  
Microsoft  
NETFLIX  
nVIDIA  
imageworks  
WALT DISNEY Studios

General

wetaFX  
ANIMALLOGIC  
BOZON  
Canonical  
CoreWeave  
FOUNDATIONS  
ftrack  
hp  
MAXON  
MCD  
otoy

Associate

Red Hat  
RODEO  
SideFX  
FOUNDRY  
movie labs  
SMPTE  
KRONOS  
VES

Math and Simulation