

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
openAVC
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

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, AMD, AWS, Autodesk, DNEG, DreamWorks, Epic Games, Google, Intel, Microsoft, Netflix, NVIDIA, ImageWorks, Walt Disney Studios

Assets and Workflow

Scenes and Geometry

Academy Software Foundation USD Working Group
ASWF Working Group

ALEMBIC
COLLADA
DNEG
Autodesk
Maya Reticle
MESHROOM
OpenSubdiv
OpenFlipper
OpenMesh
PhysX
USD

Timelines and Animation

OpenTimelineIO
ASWF Incubation

edl
Ranchhand
Cinema 4D
timecode

Pipelines and Frameworks

OPEN ASSETIO
ASWF Sandbox

blender
CGWIRE
Cortex
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
Boat 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
QUILTI
Stratovision
CGRU
aws

Queueing and Render Management

OpenCue
ASWF Adopted

File Formats and Interchange

OpenVDB
ASWF Adopted

OpenFX
ASWF Incubation

Partio
DNEG

Simulation

OpenVDB
OpenFX

Math Foundations

Academy Software Foundation Working Group for Rust Bindings
ASWF Working Group

ANN
CGAL
PILMath
Se-Expr()

Math and Simulation

General

weta DIGITAL, Animal Logic, BOSS/ELT/graphics, Canonical, CoreWeave, Foundry, ftrack, hp, MAXON, MODO, otoy, Red Hat, RODEO, SideFX, Foundry, Wevr, Blender, eto, movie labs, SMPTE, KRONOS, VES

Associate