

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
TrackPainters



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
Cinema 4D
timecode

Pipelines and Frameworks

OPEN ASSETIO
ASWF Sandbox

blender
CGWIRE
bortx
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, 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 PXC DOP

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
UNREAL ENGINE
Microsoft
NETFLIX
NVIDIA
Google
intel
imageworks
Walt Disney Studios

General

ANIMALLOGIC
BOZ/ELT/GRAPHICS
Canonical
CoreWeave
FRANZOSI
ftrack
hp
MAXON
MCD
otoy

Associate

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

Math and Simulation

Field3D
Partio
DNEG
Open PXC DOP