

Imaging and Color

Color Science

OpenColorIO
ASWF Adopted

rawtoaces
ASWF Incubation

ACES
COLOUR

Image Formats, I/O, and Processing Libraries

OpenEXR
ASWF Adopted

OpenImageIO
ASWF Incubation

libitmf
OpenCV
Ptex
PySceneDetect
sequencer
three.js

Display and Review

DPEL
ASWF Incubation

OPEN REVIEW INITIATIVE
ASWF Sandbox

tRender

Interactive Compositing and Painting

AUTHORITY X
Alton
CinePaint
gimp
NATRON
PhotoFlow
trackemato



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
OpenFlipper

Myra Reticle
OpenMesh

ALBEMIC
COLLADA
DNEG
MESHROOM
nvidia PhysX
USD

Timelines and Animation

OpenTimelineIO
ASWF Incubation

edl
timecode

Pipelines and Frameworks

OPEN ASSETIO
ASWF Sandbox

blender
CGWIRE
kdenlive
Olive
openPYPE
TACTIC

Software Foundation and System Administration

rez
ASWF Incubation

AUTHORITY X
ForestFlow
Lumina
PYMEL
pyString
QIPyConvert
Soak Migrations

Rendering, Lighting, and Lookdev

MATERIALX
ASWF Incubation

open shading language
ASWF Incubation

Autodesk
Moonray
NVIDIA MDL
RenderPass

Queueing and Render Management

OpenCue
ASWF Adopted

CGRU

File Formats and Interchange Simulation

OpenVDB
ASWF Adopted

OpenFX
ASWF Incubation

Field3D
Partio
DNEG

Math Foundations

ACADEMY SOFTWARE FOUNDATION
Rust Working Group
ASWF Working Group

ANN
CGAL
PIMath
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
BOSS/ELT
CANONICAL
CoreWeave
FOUNDERSTONE
ftrack
hp
MAXON
otoy
Red Hat
RODEO
SideFX
FOUNDRY
Wevr

Associate

blender
etc
movie labs
SMPTE
KHRONOS
VES