

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

gating

FFmpeg

libitmf

OpenCV

OpenAVC

pfstools

Ptex

PySceneDetect

sequencer

three.js

Display and Review

DPXL
ASWF Incubation

OPEN REVIEW INITIATIVE
ASWF Sandbox

Open RV

JERI

mirv2

tlRender

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

MESHROOM

OpenSubdiv

OpenFlipper

OpenMesh

PhysX by NVIDIA

USD

ALAMBIC

COLLADA

DNEG

OpenSubdiv

Timelines and Animation

OpenTimelineIO
ASWF Incubation

edl

flamechicken PARTNER

OpenTimelineIO

timecode

Pipelines and Frameworks

OPEN ASSETIO
ASWF Sandbox

blender

CGWIRE

gortex

aaffer

TACTIC

kdenlive

Olive

openPYPE

Disney USD Video Framework

Software Foundation and System Administration

rez
ASWF Incubation

AUTHORITYFX

ForestFlow

PyMEL

pyString

QIPyConvert

Boat Migrations

Rendering, Lighting, and Lookdev

open shading language
ASWF Adopted

MATERIALX
ASWF Incubation

Autodesk

RenderMan

Intel Embree

MOONRAY

NVIDIA MDL

Intel Open Image Denoise

RenderFlow

QUILTIX

Stratovision

Queueing and Render Management

OpenCue
ASWF Adopted

CGRU

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

PIMath

Se-Expr()

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 LIGHT GRAPHICS

Canonical

CoreWeave

FRANZBROSNER

ftrack

hp

MAXON

MODUS

otoy

Associate

blender

etc

movie labs

SMPTE

KHRONOS

VES

Rendering and Queuing

Math and Simulation