

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

pfstools

Ptex

PySceneDetect

sequencer

three.js

VMAF

Display and Review

DPXL ASWF Incubation

OPEN REVIEW INITIATIVE ASWF Sandbox

Open RV

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.



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

Timelines and Animation

OpenTimelineIO ASWF Incubation

alembic

COLLADA

DNEG

edl

franchinetti editor

OpenTimeline

timecode

Pipelines and Frameworks

OPEN ASSETIO ASWF Sandbox

blender

CGWIRE

gaffer

openPYPE

kdenlive

Olive

Google Cloud OpenTimelineIO

TACTIC

Walt Disney USD Video Framework

Software Foundation and System Administration

rez ASWF Incubation

AUTHORITYFX

ForestFlow

PyMEL

pyString

QIPyConvert

Soak Migrations

Rendering and Queuing

Rendering, Lighting, and Lookdev

open shading language ASWF Adopted

MATERIALX ASWF Incubation

Autodesk

RenderMan

intel EMBREE

MOONRAY

NVIDIA MDL

intel Open Image Denoise

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

Math Foundations

ACADEMY SOFTWARE FOUNDATION Working Group for Rust Bindings ASWF Working Group

ANN

CGAL

PIMath

Se-Expr()

Math and Simulation

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

ANIMALLOGIC

BOLT

Canonial

CoreWeave

FOUNDATIONS

ftrack

hp

MAXON

MOD

otoy

Associate

Red Hat

RODEO

SideFX

FOUNDRY

blender

etc

movie labs

SMPTE

KHRONOS

VES