Academy Software Foundation Landscape

1.0

See the interactive landscape at l.aswf.io

Greyed logos are not open source

Imaging and Color

Color Science

- OpenColorIO — ASWF Adopted
- rawtoaces — ASWF Incubation
- ACES
- COLOUR

Image Formats, I/O, and Processing Libraries

- OpenEXR — ASWF Adopted
- deplx
- OIIO
- openMVG
- pfstools
- Ptex
- PySceneDetect
- sequencer
- three.js

Display and Review

- DPEL — ASWF Incubation
- OPEN REVIEW INITIATIVE — ASWF Sandbox
- DJV
- JERI
- mrViewer
- tlRender

Interactive Compositing and Painting

- Aton
- CinePaint
- gimp
- NATRON
- PhotoFlow
- trackoperanto

Assets and Workflow

Scenes and Geometry

- ALEMBIC
- AliceVision
- CLLADA
- DNEG
- Maya Reticle
- MESHROOM
- OpenFlipper
- OpenMesh
- NVIDIA PhysX
- USD

Timelines and Animation

- OpenTimelineIO — ASWF Incubation
- edl
- flamechannel parser
- OpenAnnotationIO
- timecode

Pipelines and Frameworks

- OPENASSETIO — ASWF Sandbox
- blender
- CGWIRE
- Cortex
- Gaffer
- kdenlive
- Olive
- openPYPE
- TACTIC

Software Foundation and System Administration

- rez — ASWF Incubation
- ForestFlow
- PyMEL
- pyString
- QtPyConvert
- Scala Migrations

Rendering and Queueing

Rendering, Lighting, and Lookdev

- MATERIALX — ASWF Incubation
- open shading language — ASWF Incubation
- Cryptomatte
- Embree
- MOONRAY
- NVIDIA MDL
- RenderPixie

Queueing and Render Management

- OpenCue — ASWF Adopted
- CGRU

Math and Simulation

File Formats and Interchange

- OpenVDB — ASWF Adopted
- OpenFX — ASWF Incubation
- Field3D
- Partio
- DNEG

Simulation

Math Foundations

- ANN
- CGAL
- PiMath
- Se-Expr()

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.

l.aswf.io

ASWF Landscape

ASWF /* ACADEMY SOFTWARE FOUNDATION

ASWF Member Company

Premier

Academy of Motion Picture Arts and Sciences, Adobe, AMD, aws, Autodesk, DNEG, DreamWorks, Unreal Engine, Google, intel, Microsoft, Netflix, NVIDIA, Sony Pictures Imageworks, Walt Disney Studios, unity, Weta Digital

General

Animal Logic, Canonical, Pixar, ftrack, hp, Maxon, IBM / Red Hat, Rodeo FX, SideFX, Foundry, Warner Bros., Wevr

Associate

blender, etc, movie labs, SMPTE, Khronos, VES