

Imaging and Color

Color Science

OpenColorIO (ASWF Adopted), rawtoaces (ASWF Incubation), ACES, COLOUR

Image Formats, I/O, and Processing Libraries

OpenEXR (ASWF Adopted), OpenCV, OIIO, Ptex, PySceneDetect, OpenMVG, pfsTools, sequencer

Display and Review

DPEL (ASWF Incubation), mrViewer, tRender

Interactive Compositing and Painting

AUTHORITYFX, Aton, CinePaint, gimp, NATRON, PhotoFlow, background



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 Member Company

Assets and Workflow

Scenes and Geometry

ALEMBC, AliceVision, COLLADA, DNEG, Autodesk Maya, Maya Reticle, MESHROOM, OpenSubdiv, OpenFlipper, OpenMesh, USD

Timelines and Animation

OpenTimelineIO (ASWF Incubation), kdenlive, Olive, openPYPE, TACTIC

Pipelines and Frameworks

OPENASSETIO (ASWF Sandbox), blender, CGWIRE, rez (ASWF Incubation), maya, PyMEL, pySling, QiPyConvert, Sola Migrations

Software Foundation and System Administration

ForestFlow, UNREAL ENGINE, Microsoft, NETFLIX, NVIDIA, unity, weta DIGITAL

Rendering, Lighting, and Lookdev

MATERIALX (ASWF Incubation), open shading language (ASWF Incubation), Cryptomatte, intel Embree, MOONRAY, NVIDIA MDL, RenderFusion, CGRU

Queueing and Render Management

OpenCue (ASWF Adopted)

File Formats and Interchange

OpenVDB (ASWF Adopted), OpenFX (ASWF Incubation), Field3D, Partio, DNEG

Simulation Math Foundations

ANN, EGAL, PiMath, Se-Expr()

Math and Simulation

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, unity, weta DIGITAL

General: AnimalLogic, Canonical, ftrack, hp, MAXON, Red Hat, RODEO, SideFX, Foundry, Wevr

Associate: blender, etcc, movie labs, SMPTE, KHRONOS, VES