

MaterialX: Standard Surface to gITF Export Workflow

Autodesk Graphics Platform

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Problem Overview



Stakeholders & Impact

AUTODESK

- De-couple export from internal components
- Streamlines export for customers



- Production use-case for MaterialX
- Foster interoperability ecosystem



• First-class content delivery format



gITF sample models, Khronos Group

Implementation



Results

- Maps core features
- Test set of 350+ materials
- Presented at ASWF Open Source Days
- Reusable pipeline assets
- Roadmap for Internal & Open Source contribution



Learnings and Takeaways

- Deep engagement with state-of-the-art
- Collaborated with key contributors
- Hands-on with many repositories
- Contributing to Autodesk products

Thank You!

Sankar Ganesh, Manager

Nicolas Savva, Mentor



Standard Surface "Thin Film", Autodesk



Standard Surface Diffuse Transmission, Autodesk