KUESA™ 3D 2.0

Made by KDAB

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Optimized workflow

Smooth and productive workflow allowing fast incremental design

Simplifies designer and developer interaction on the project

Full control available for the visual aspect, performances and integration

from design to final application
KUESA 3D Studio

Comprehensive package for designers and developers

Design Plugins
Seamless integration with professional 3D design tools like Blender and Maya

Tools

Engine
KUESA 3D Studio

Comprehensive package for designers and developers

Tools
Preview, sanity check, inspect and optimize assets, CI integration

Design Plugins

Engine
KUESA 3D Studio

Comprehensive package for designers and developers

- Design
- Plugins
- Tools
- Engine
  - Vulkan 3D engine
  - or
  - Qt 3D/OpenGL engine
Kuesa 3D Engine
Qt 3D engine
Kuesa 3D Demo
Materials
Support for both PBR and Iro Materials

PBR

- An Industry standard
- External editors
  - Could be integrated in the 3D authoring tool
- End result visible once rendered
  - in the 3D authoring tool
- Requires an environment cube map
- 300 lines of shader code
Materials

IRO

Kuesa Specific

“Paint the result”
Use an artistic workflow

Fully integrated into 3D authoring tool
WYSIWYG during modelling & animating

No environment cube map required

30 lines of shader code

Best for optimized resource usage
Vulkan 3D engine
Vulkan 3D engine

Integrates with

- KUESA Engine
- Using RmlUI
- dear imgui,
- Qt
- Flutter
- slint

Soon
Later
More...
Conclusion
KUESA 3D Studio is for Designers

KUESA Design Plugins

Integrated 3D application plugins to professional 3D design tools like Blender or Maya are used by the designer to create the 3D scenes

Designers use the tools they know
KUESA 3D Studio is for Designers

KUESA Tools

Used by designers for previewing, sanity checking and optimizing assets

Rapid preview of the final result
KUESA 3D Studio is for Developers

KUESA 3D Tools

Used by developers for:

- Previewing
- Conditioning
- Sanity checking
- Optimizing
- Inspecting Assets
- Integration into CI
KUESA 3D Studio is for Developers

KUESA 3D Engine

Integrated in the application, high performance engine loads and displays the 3D assets

Full control of the scene graph and frame graph

High-level C++ API (no needs for Vulkan or OpenGL knowledge)

The Qt integration provides a QML API too
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