

VULKAN TUTORIAL



- All the content will soon be available as part of Khronos'
 Vulkan Tutorial
 - https://github.com/KhronosGroup/Vulkan-Tutorial
- In the meantime, you may access the content presented today in this Pull Request
 - https://github.com/KhronosGroup/Vulkan-Tutorial/pull/145



LAB OVERVIEW





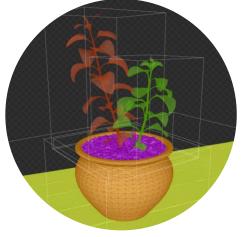


attachments/38_ray_tracing.cpp

attachments/38_ray_tracing.slang



Dynamic rendering



Acceleration structures



Ray query shadows and animations



Bindless resources and transparency



Ray query reflections

BUILD AND RUN!



Re-build and Run!

Use

#define LAB_TASK_LEVEL 4

لل

cmake --build build --target 38_ray_tracing --parallel

start .\build\38_ray_tracing\Debug\38_ray_tracing.exe -wo .\build\38_ray_tracing\



CODING TIME

Proud to be a Special Interest Group Within the Association for Computing Machinery.





WRAP-UP



- Complete the full Vulkan Tutorial at https://github.com/KhronosGroup/Vulkan-Tutorial
- Find more Vulkan documentation and resources at https://www.khronos.org/vulkan
- Read Arm's Vulkan Best Practice guide at https://developer.arm.com/mobile-graphics-and-gaming/vulkan-api-best-practices-on-arm-gpus
- Download RenderDoc at https://github.com/baldurk/renderdoc
- Download NVIDIA Nsight Graphics at https://developer.nvidia.com/nsight-graphics
- Learn more about the Slang shading language at https://shader-slang.org



The community to build your future on Arm

- Get fresh insights directly from Arm experts
- Connect with like-minded developers
- Build on your expertise and become an Arm Ambassador
- There is something for everyone in our global community

arm.com/developerprogram

Discord | ArmSoftwareDev

<u>Twitter</u> | @ArmSoftwareDev

YouTube | @ArmSoftwareDevelopers











THANK YOU!





