

VRED: Transcript

This is Autodesk VRED which is now showing with support for Optix 7 in the SDK, which is NVIDIA's low-level SDK for ray tracing with RTX support. It's got really outstanding performance -- in this case for doing full global illumination ray tracing. Automotive companies use this tool for evaluating designs, what we call design review: evaluating material choices, evaluating configurations of cars and that sort of thing.

If I move the mouse around a little bit you'll see that this is actually a live render and it will take a few seconds to resolve this car interior but the result is a fully realistic, accurate depiction of the materials that are going to be in the car. This is really valuable to automotive designers who want to avoid making costly mistakes when they are designing a car.

I can also change to an exterior view -- I can spin the car around and have a look.

Now, VRED also supports our Optix denoiser which allows up to clean up this little bit of ray tracing noise. You'll see if we let this resolve for a few seconds, that noise all goes away. This is running on a really powerful workstation which is running on four Quadro RTX8000 boards.