PA1 – Playing with Embree



Embree Usage

- High performance ray tracing kernel
 - Intel's ray tracing kernel optimized for Intel processors
- Various kind of simulations
 - Lighting, sound, particles, collision detection, etc.)

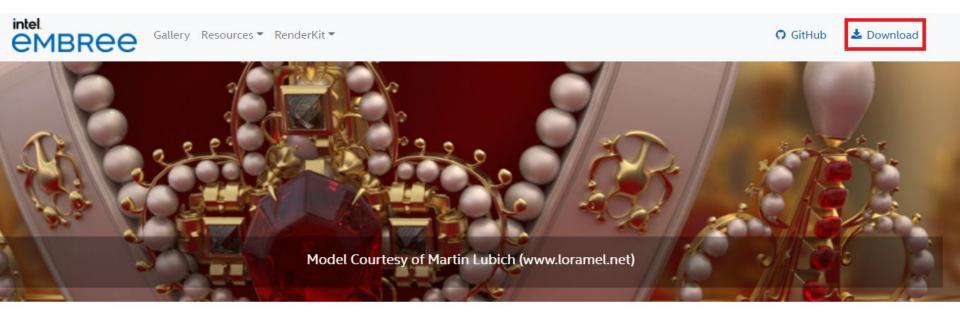


Embree: A Kernel Framework for Efficient CPU Ray Tracing (SIGGRAPH 2014) KAIST

Installation

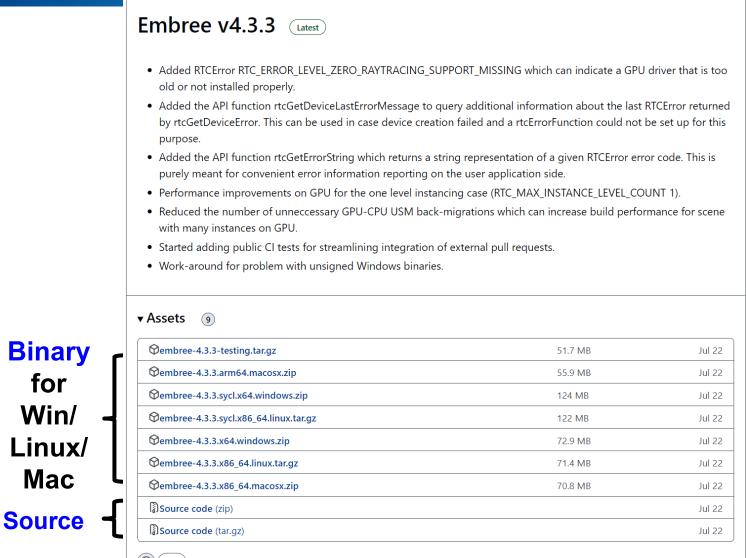
• Installing Embree Binary

• Access <u>https://www.embree.org/</u>





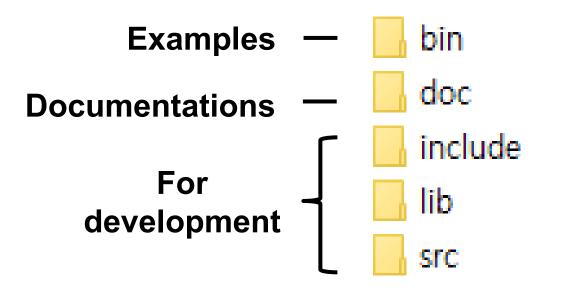
Installation





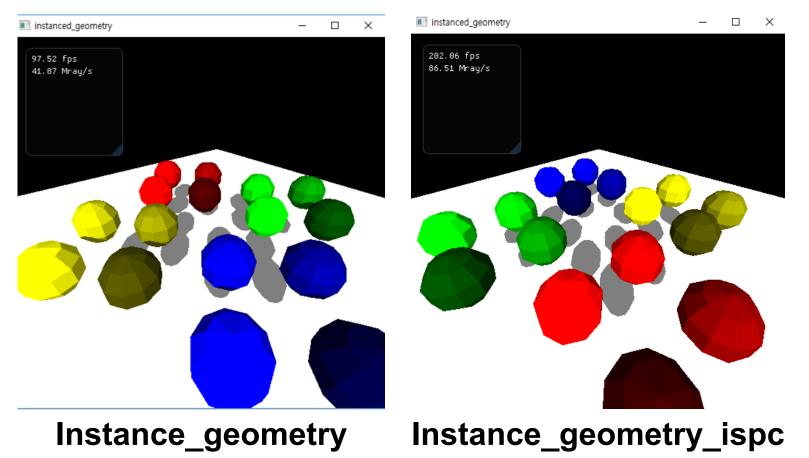
Example : Windows – 64-bit

Contents of embree-4.3.3.x64.windows.zip



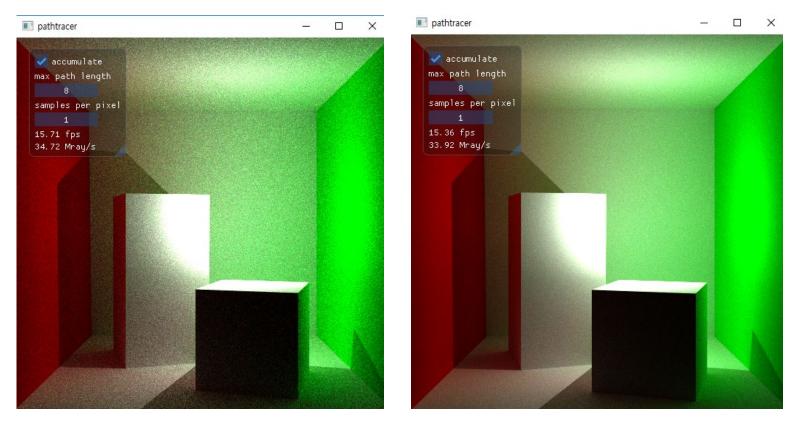


Play with some examples





Play with some examples



path_tracer; how the scene changes when time passes?

Play with some examples



hair_geometry; how the scene changes when time passes?

- See how it changes when time passes
- Interact with the scene
 - Drag mouse …
- Submit screenshots of following projects:
 - pathtracer
 - quaternion_motion_blur
 - voronoi

