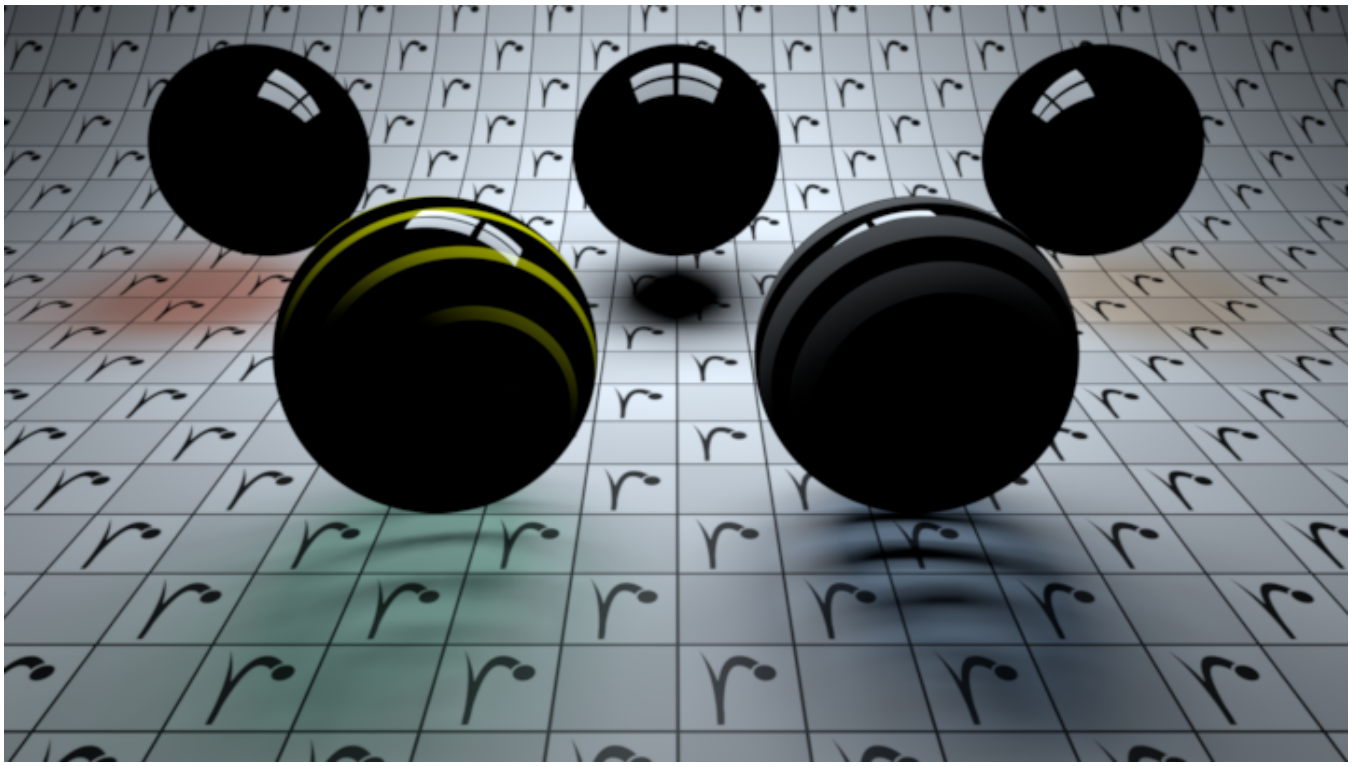
PxrDirectLighting



This is a debugging or "draft-quality" integrator that implements only the direct lighting portion of the light transport. *It is not designed to produce "final-quality" images.* Since it doesn't implement indirect lighting paths it cannot produce reflections, refractions, or other global illumination effects, nor can it handle any effects that require a volume integrator.

Parameters

Parameter	Description
int numLightSamples	Controls the number of light samples for direct illumination per camera hit point. The default is 4.
int numBxdfSamples	Controls the number of Bxdf samples for direct illumination per camera hit point. The default is 4.

Standard AOVs

On top of regular LPE-based AOVs, this integrator outputs a number of standard AOVs typically used by compositors.

Declaration	Contents	Channels
color __Pworld	P in world-space	__Pworld.r : x component __Pworld.g : y component __Pworld.b : z component
color __Nworld	Nn in world-space	__Nworld.r : x component __Nworld.g : y component __Nworld.b : z component
color __depth	Multi-purpose AOV	__depth.r : depth from camera in world-space __depth.g : height in world-space __depth.b : geometric facing ratio : abs(Nn.V)
color __st	Texture coords	__st.x : s __st.y : t __st.z : 0.0
color __Pref	Reference Position primvar (if available)	__Pref.r : x component __Pref.g : y component __Pref.b : z component

color __Nref	Reference Normal primvar (if available)	__Nref.r : x component __Nref.g : y component __Nref.b : z component
color __WPref	Reference World Position primvar (if available)	__WPref.r : x component __WPref.g : y component __WPref.b : z component
color __WNref	Reference World Normal primvar (if available)	__WNref.r : x component __WNref.g : y component __WNref.b : z component