

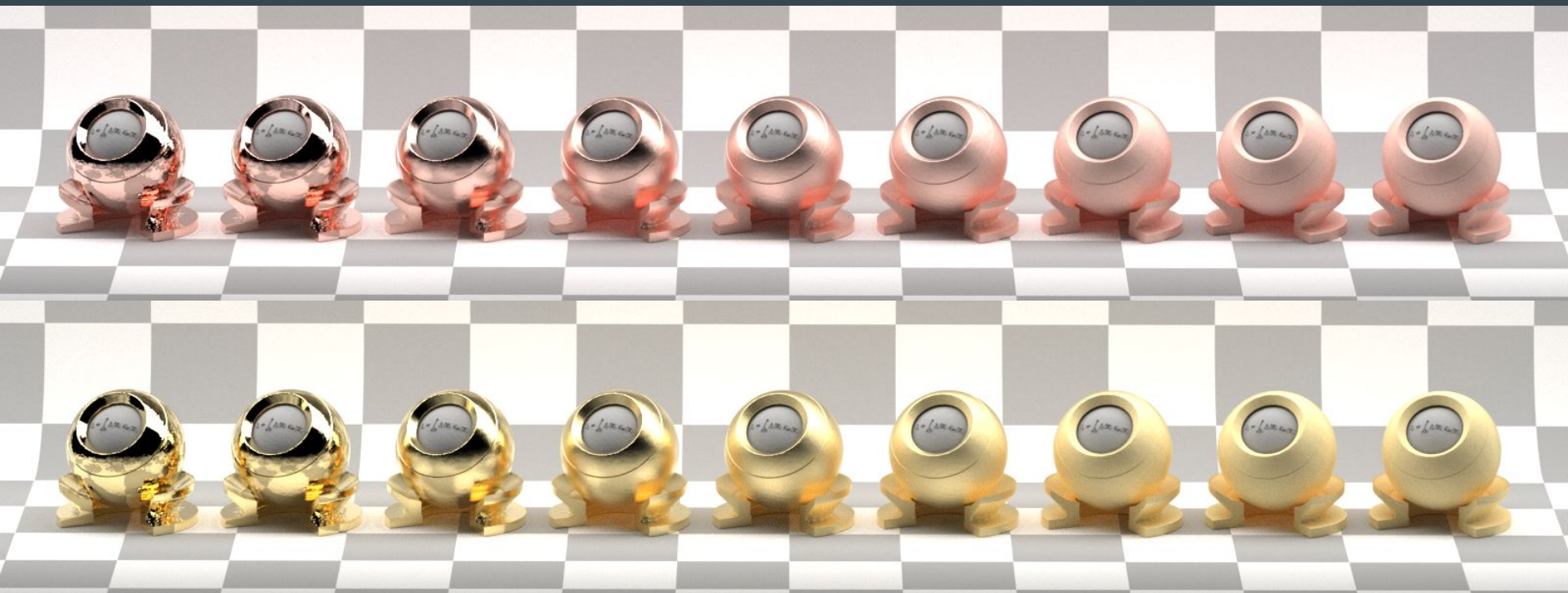
Moody Render



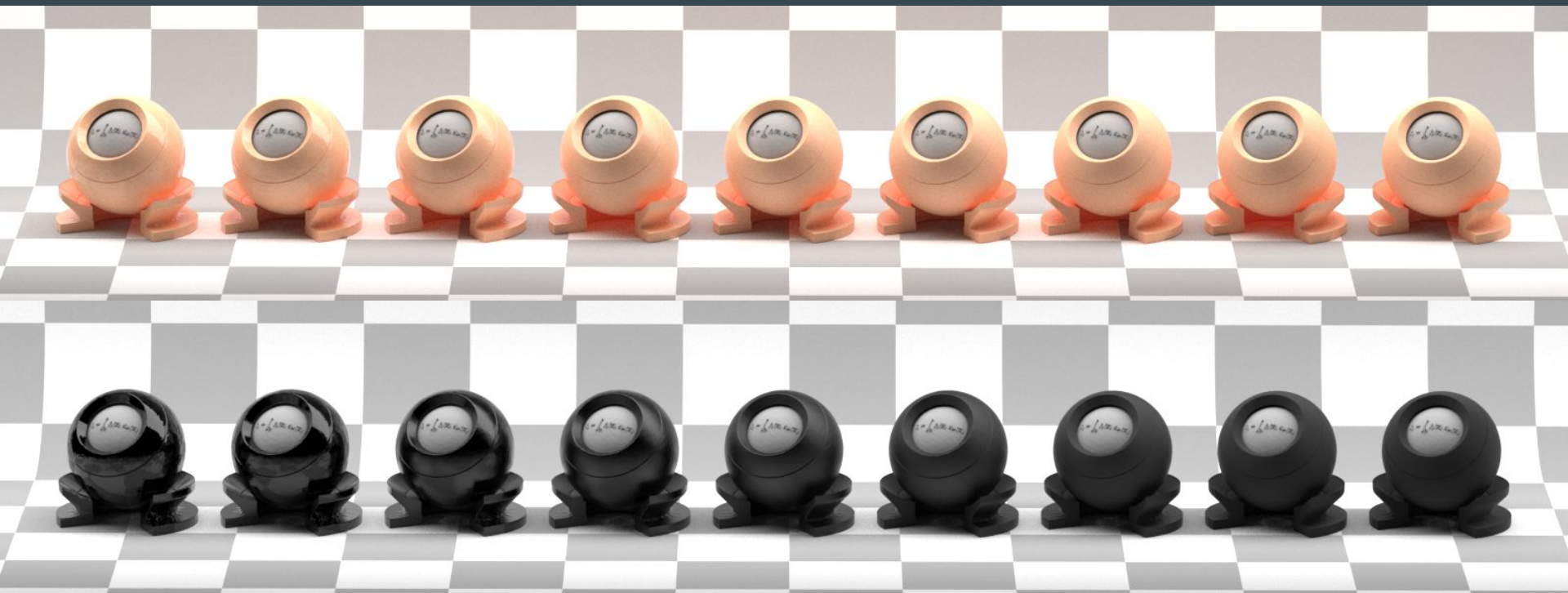
ushiostarfish

Materials

エネルギー保存Microfacet BRDF(金属ver



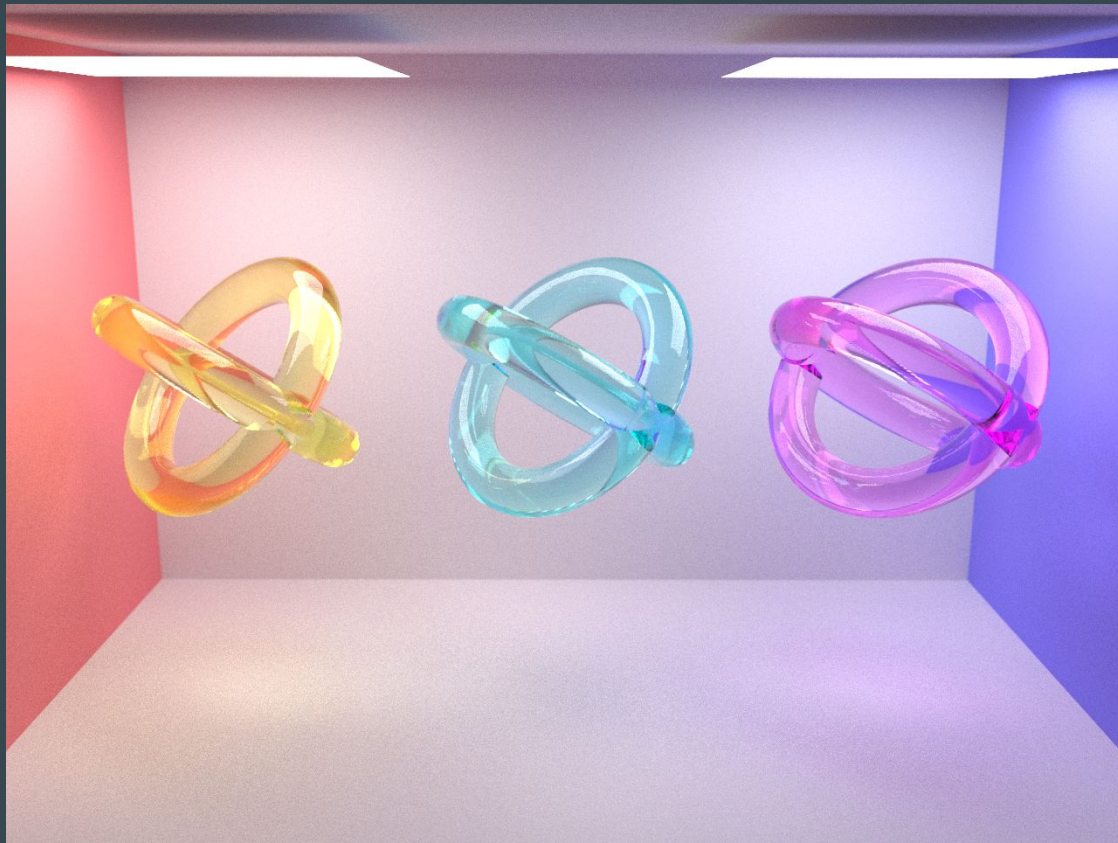
エネルギー保存Microfacet BRDF(誘導体ver)



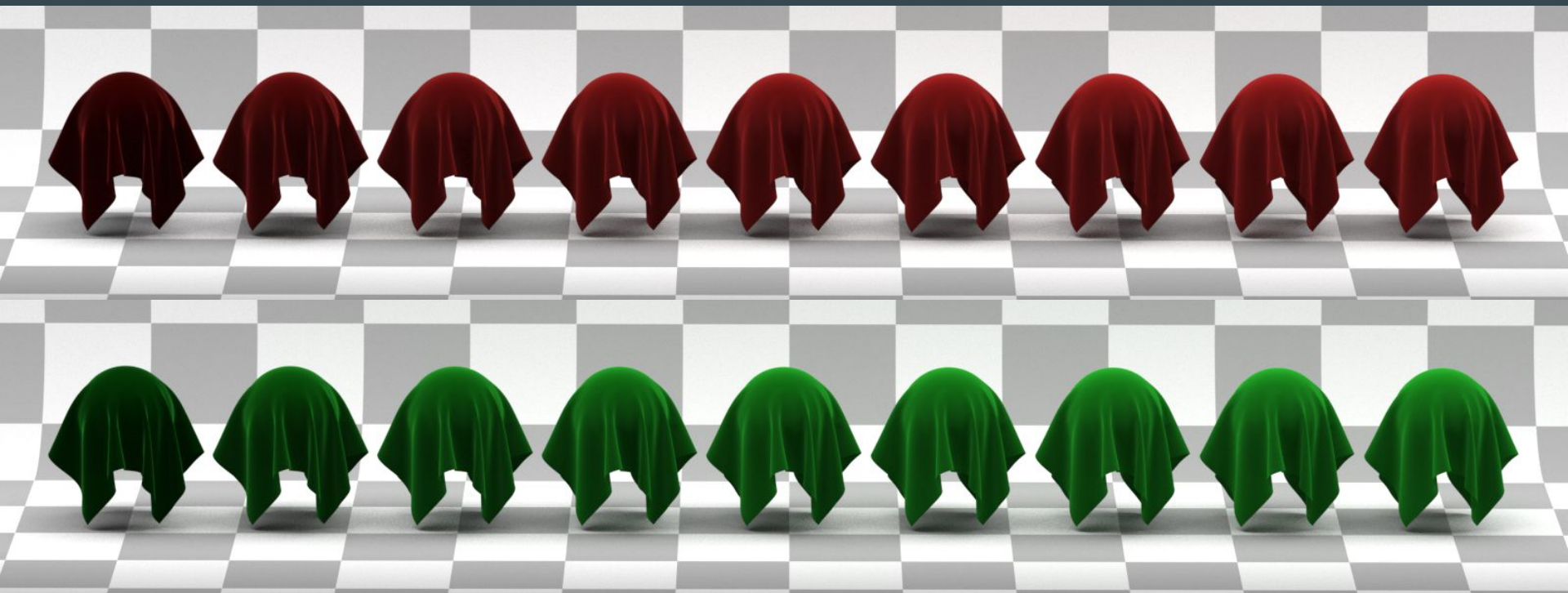
誘導体(ランベルト・ベール

- 簡単
- 綺麗

$$f(L) = e^{-\sigma L}$$



Velvet (Production Friendly Microfacet Sheen BRDF)

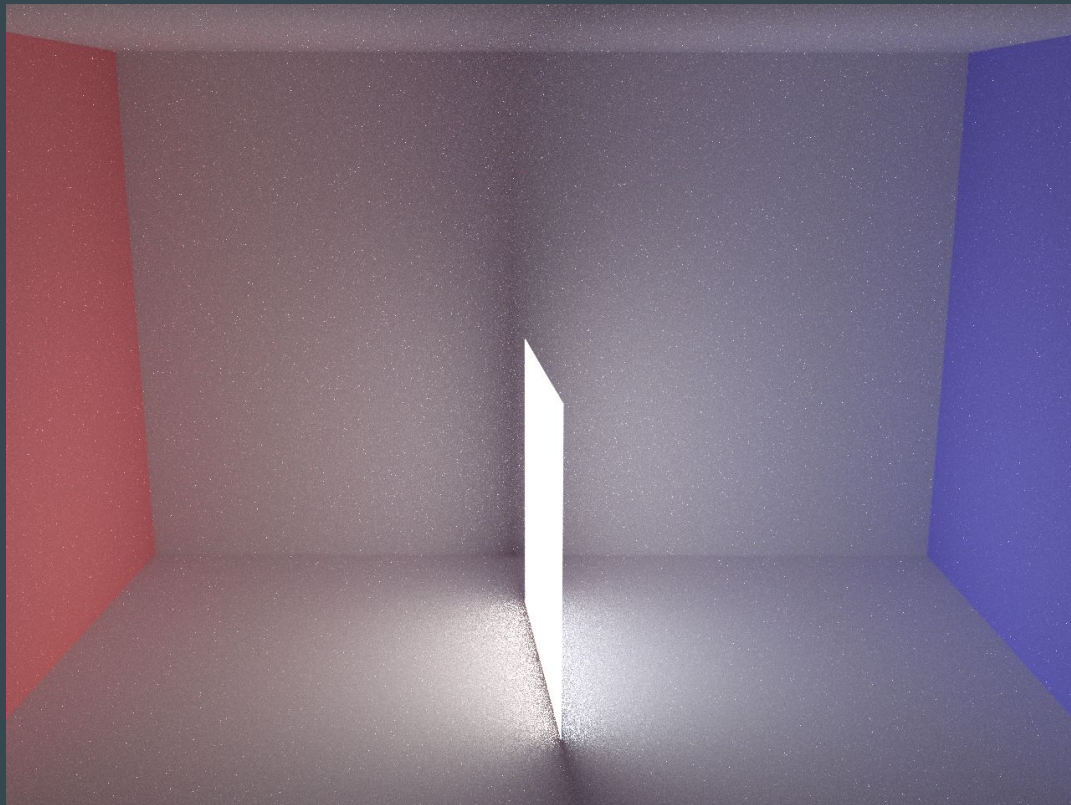


Sampling Technique

An Area-Preserving Parametrization for Spherical Rectangles

Next Event Estimation
Area Sampling

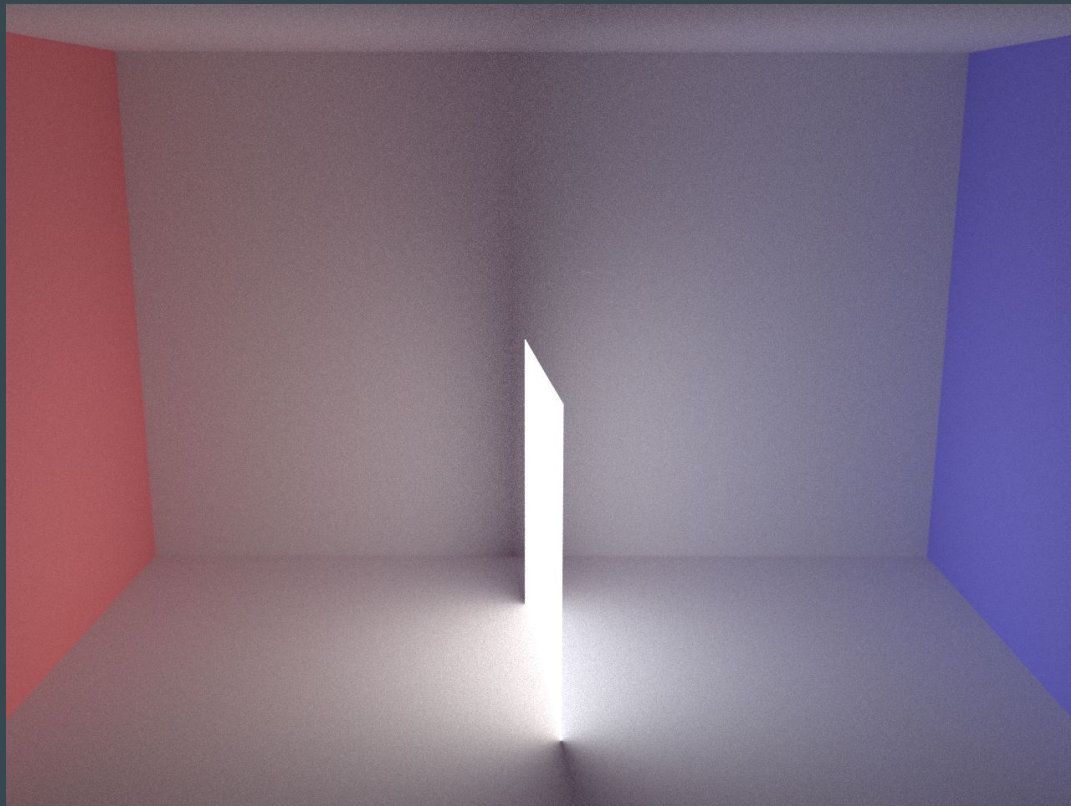
64 spp



An Area-Preserving Parametrization for Spherical Rectangles

Next Event Estimation
Spherical Rectangle
Sampling

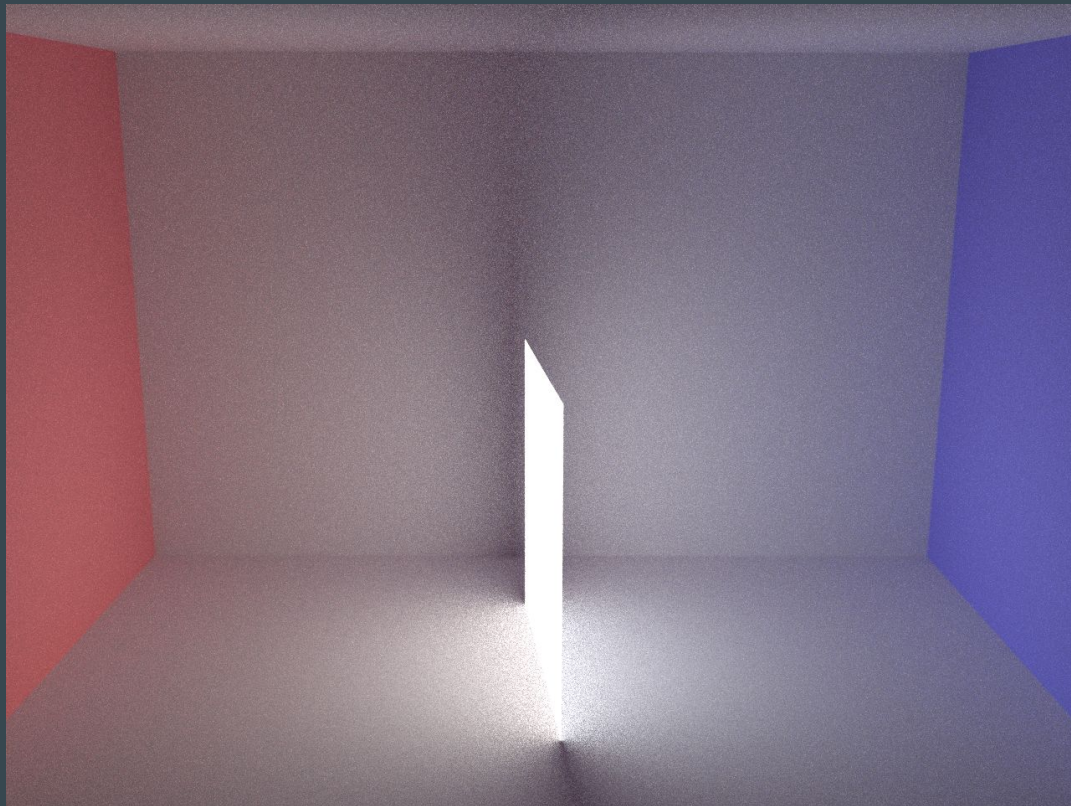
64 spp



An Area-Preserving Parametrization for Spherical Rectangles

Next Event Estimation + MIS
Area Sampling

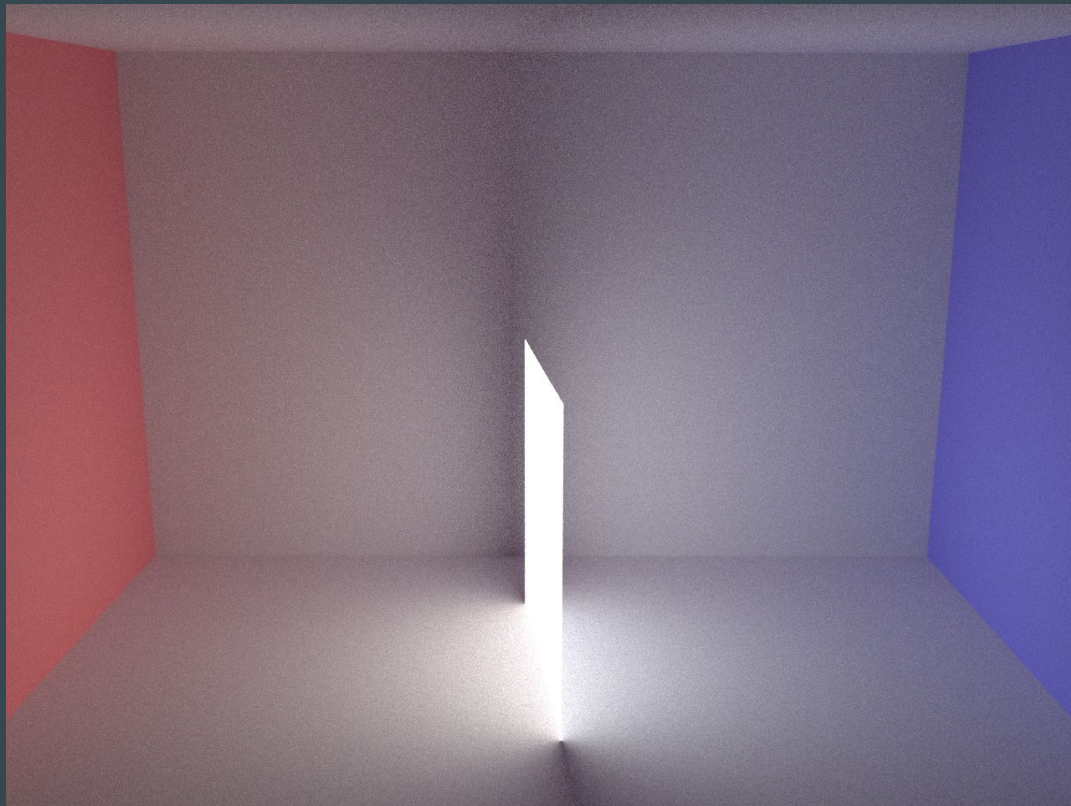
32 spp



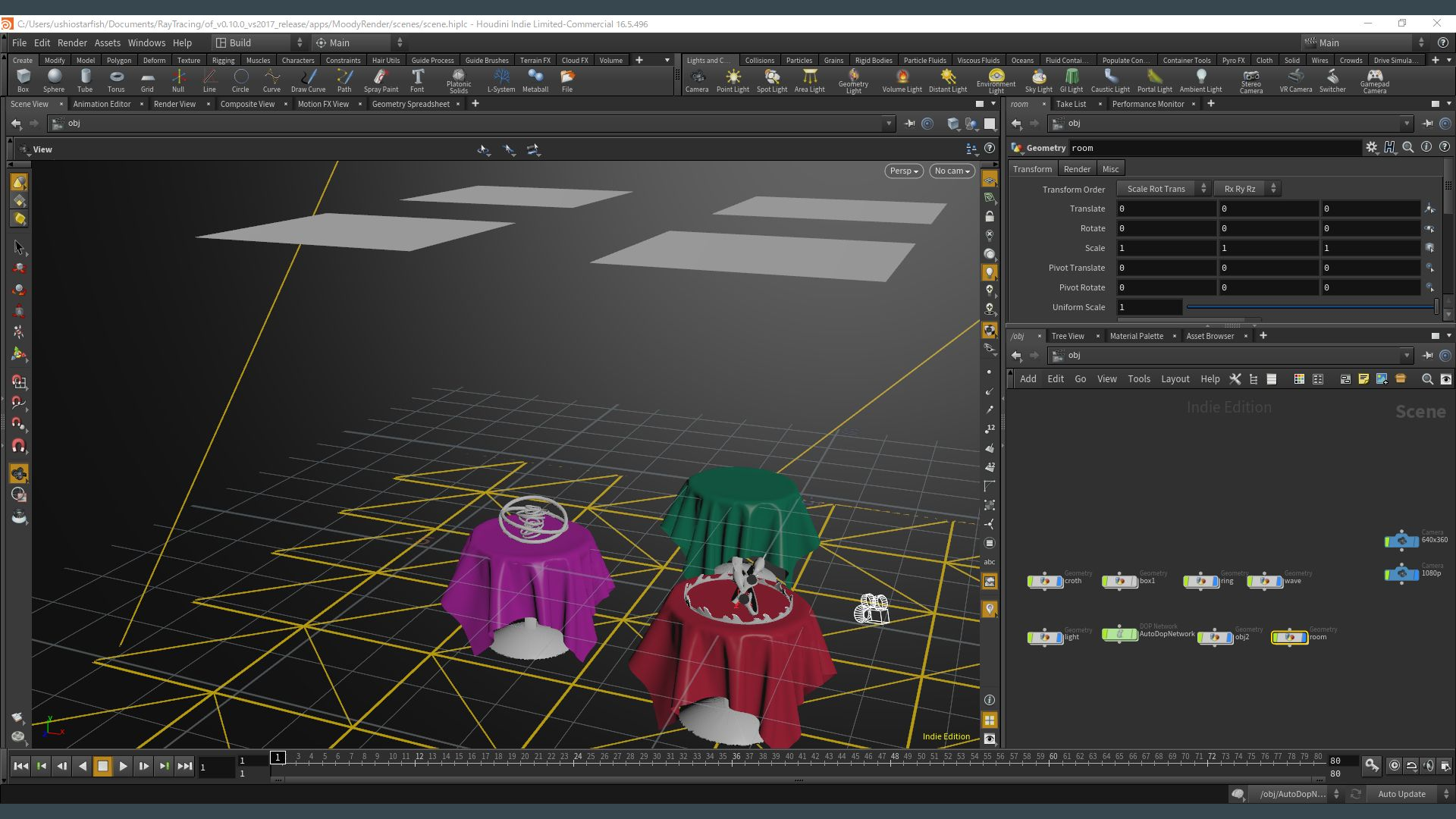
An Area-Preserving Parametrization for Spherical Rectangles

Next Event Estimation + MIS
Spherical Rectangle
Sampling

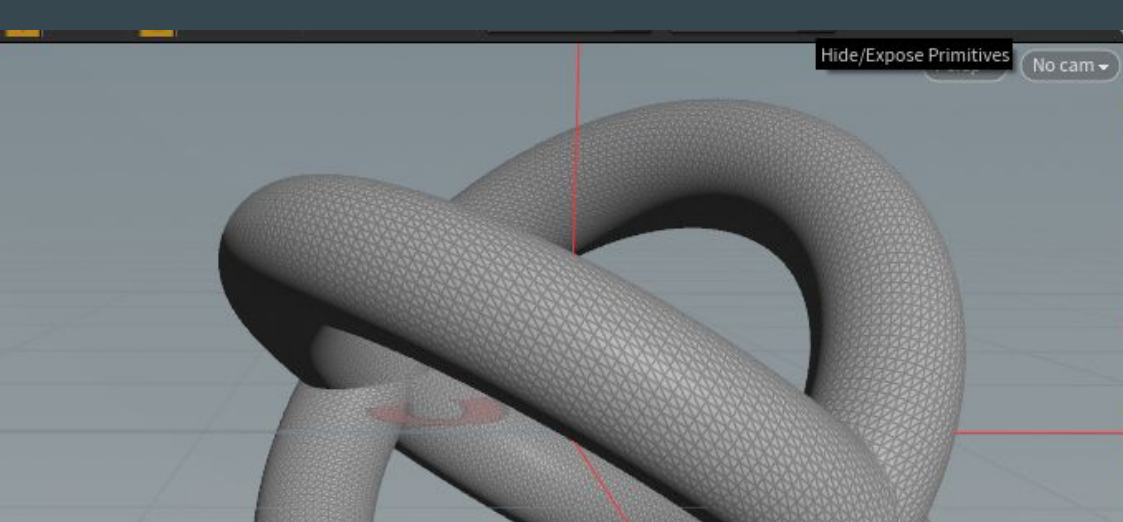
32 spp



Scene



Houdini -> Alembic -> Render

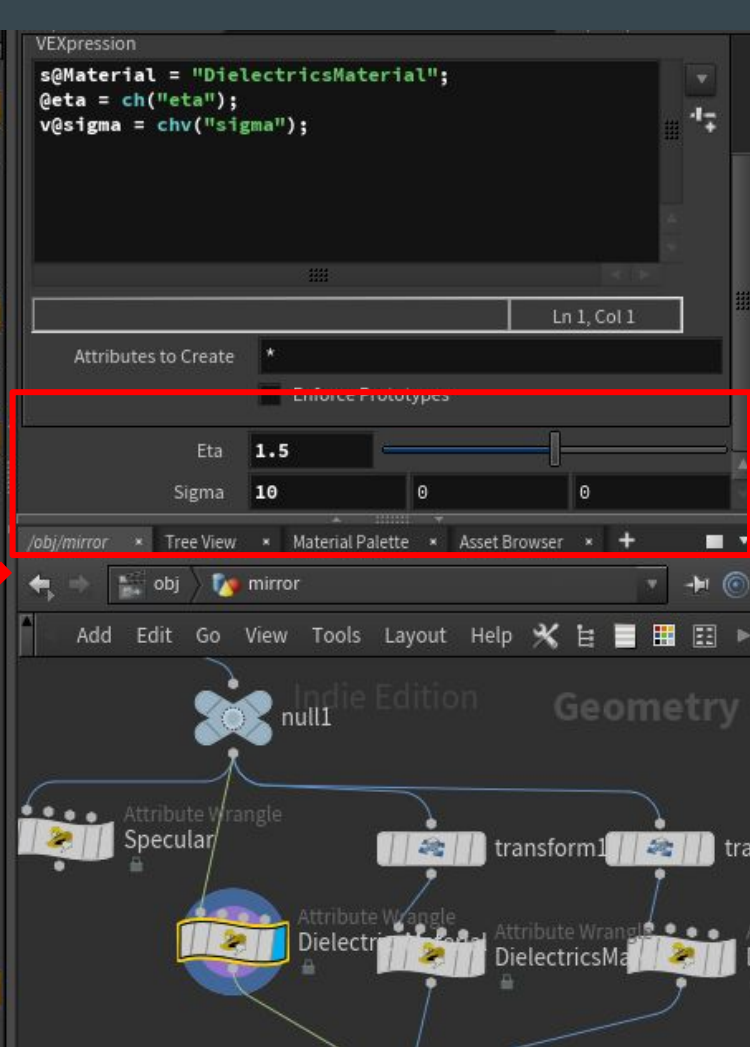


ポリゴンへのメタデータの埋め込みが
超簡単！

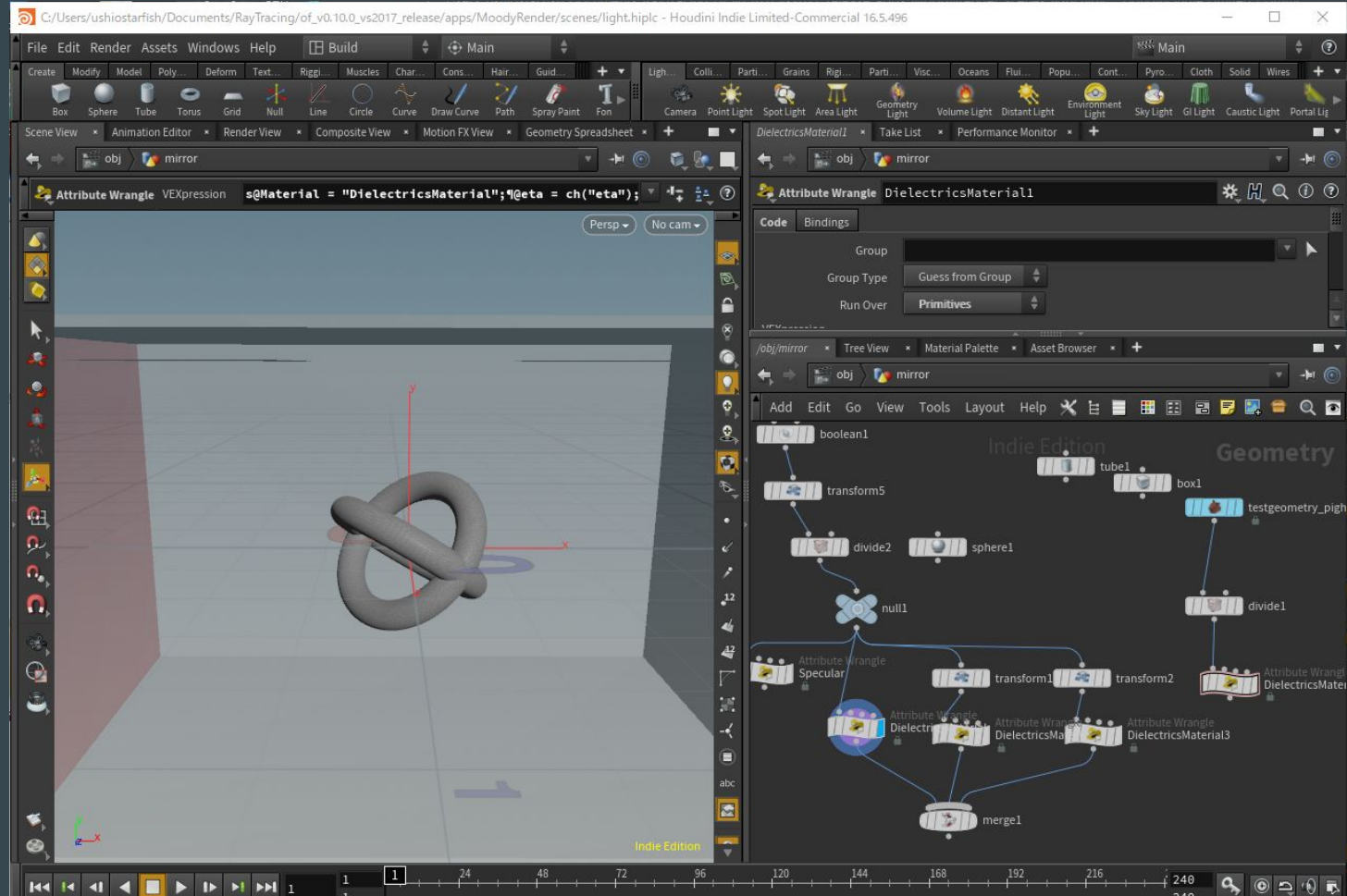
Geometry Spreadsheet: DielectricsMaterial

Node: DielectricsMaterial

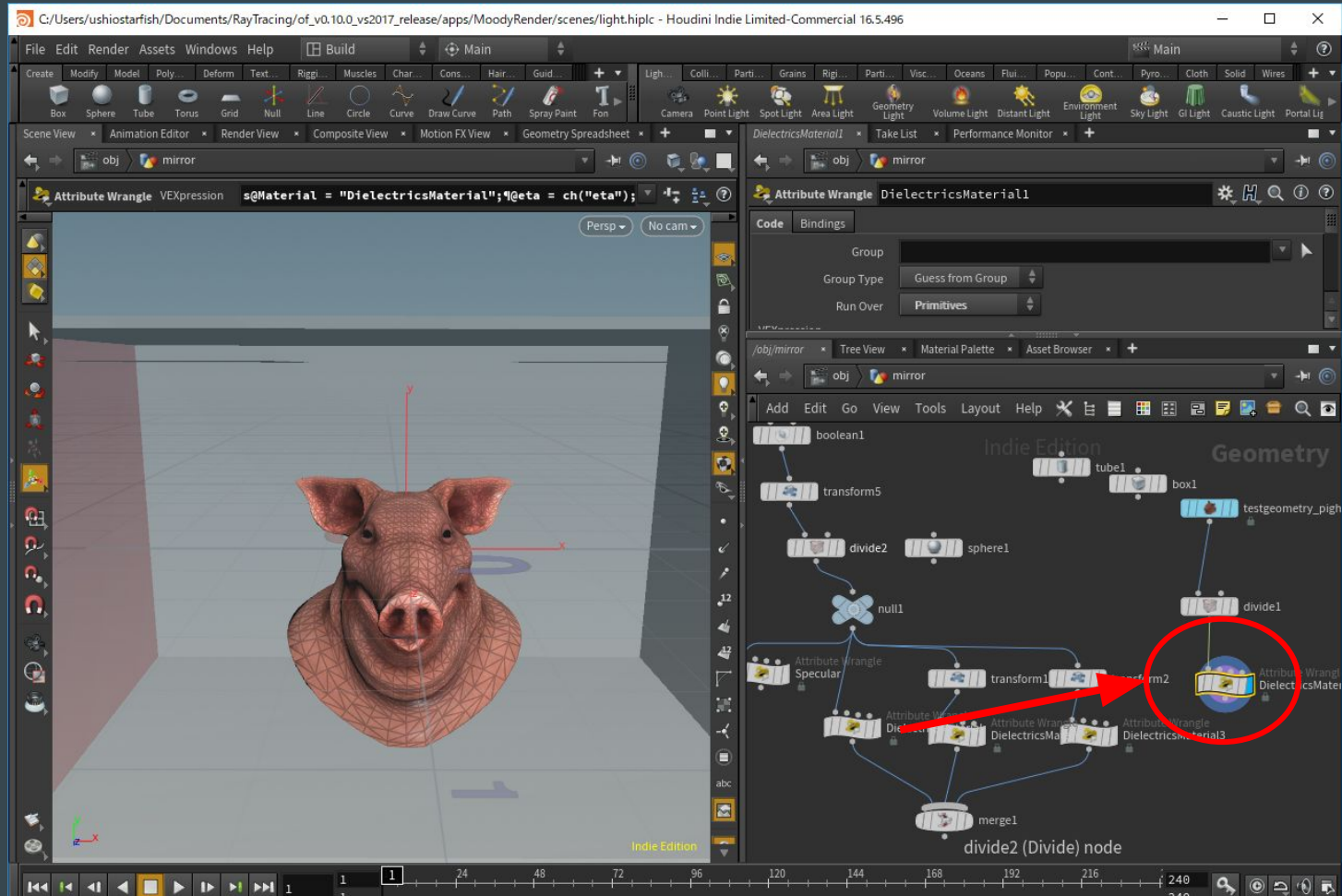
	eta	Material	sigma[0]	sigma[1]	sigma[2]
0	1.5	DielectricsMaterial	10.0	0.0	0.0
1	1.5	DielectricsMaterial	10.0	0.0	0.0
2	1.5	DielectricsMaterial	10.0	0.0	0.0
3	1.5	DielectricsMaterial	10.0	0.0	0.0
4	1.5	DielectricsMaterial	10.0	0.0	0.0
5	1.5	DielectricsMaterial	10.0	0.0	0.0
6	1.5	DielectricsMaterial	10.0	0.0	0.0



モデルの切り替えが 超簡単



モデルの切り替えが 超簡単



Thank you

