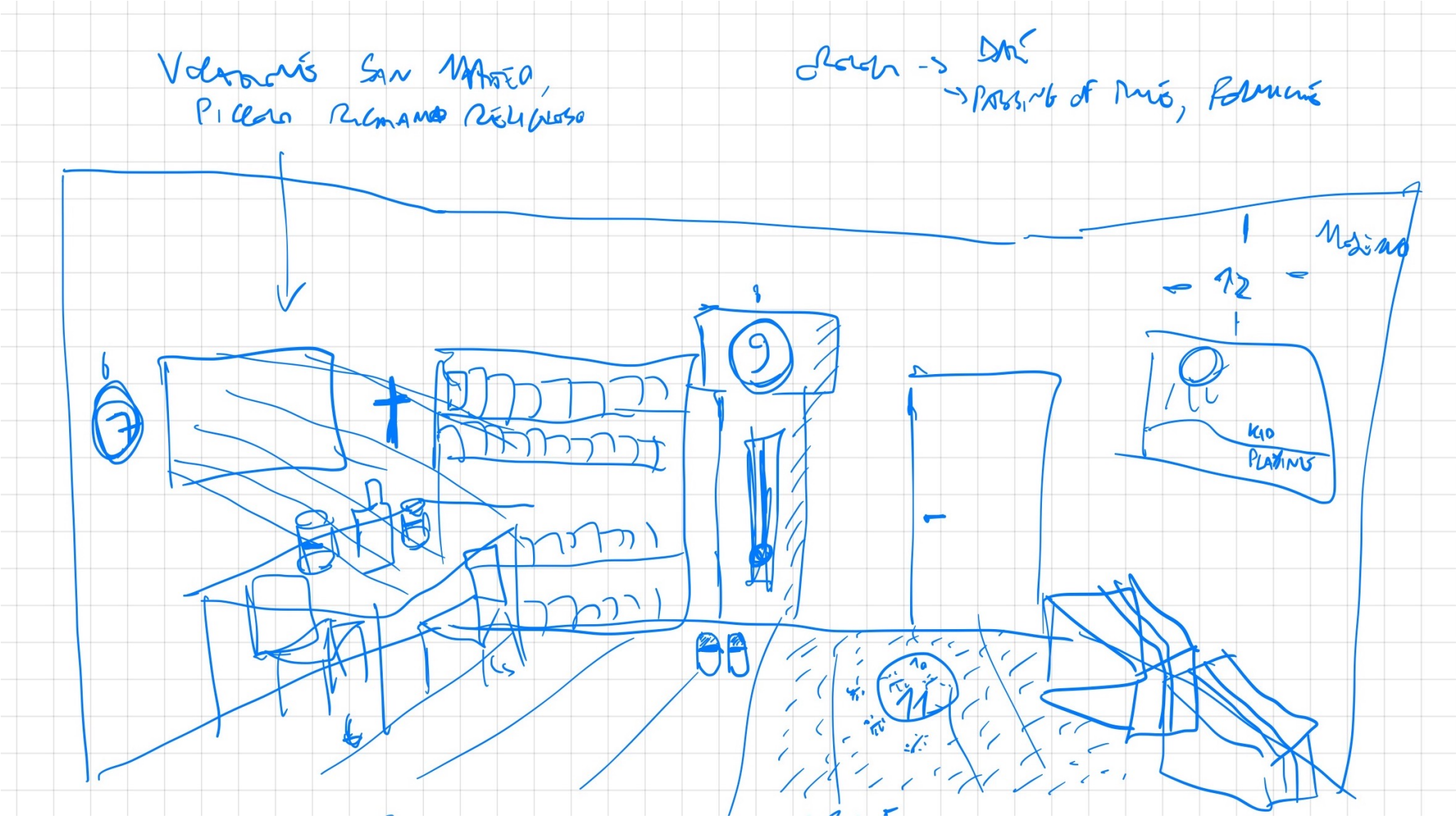
CS-440
Advanced Computer Graphics

Grandparents

Federico ***Stella***

Idea

Idea


Volaterrás San Mateo,
Piccolo Romanico Religioso
Mezzano
12
Kio
Platino

Idea

Idea

Idea

Implemented features

Materials

Rough dielectrics
Rough conductors

Implemented features

Materials	**Surfaces**
Rough dielectrics	Texture mapping
Rough conductors	Normal mapping

Implemented features

Materials

Rough dielectrics
Rough conductors

Surfaces

Texture mapping
Normal mapping

Lighting

Environment maps
Directional lights
Textured lights

Implemented features

Materials

Rough dielectrics
Rough conductors

Surfaces

Texture mapping
Normal mapping

Lighting

Environment maps
Directional lights
Textured lights

Camera

Depth of field

Implemented features

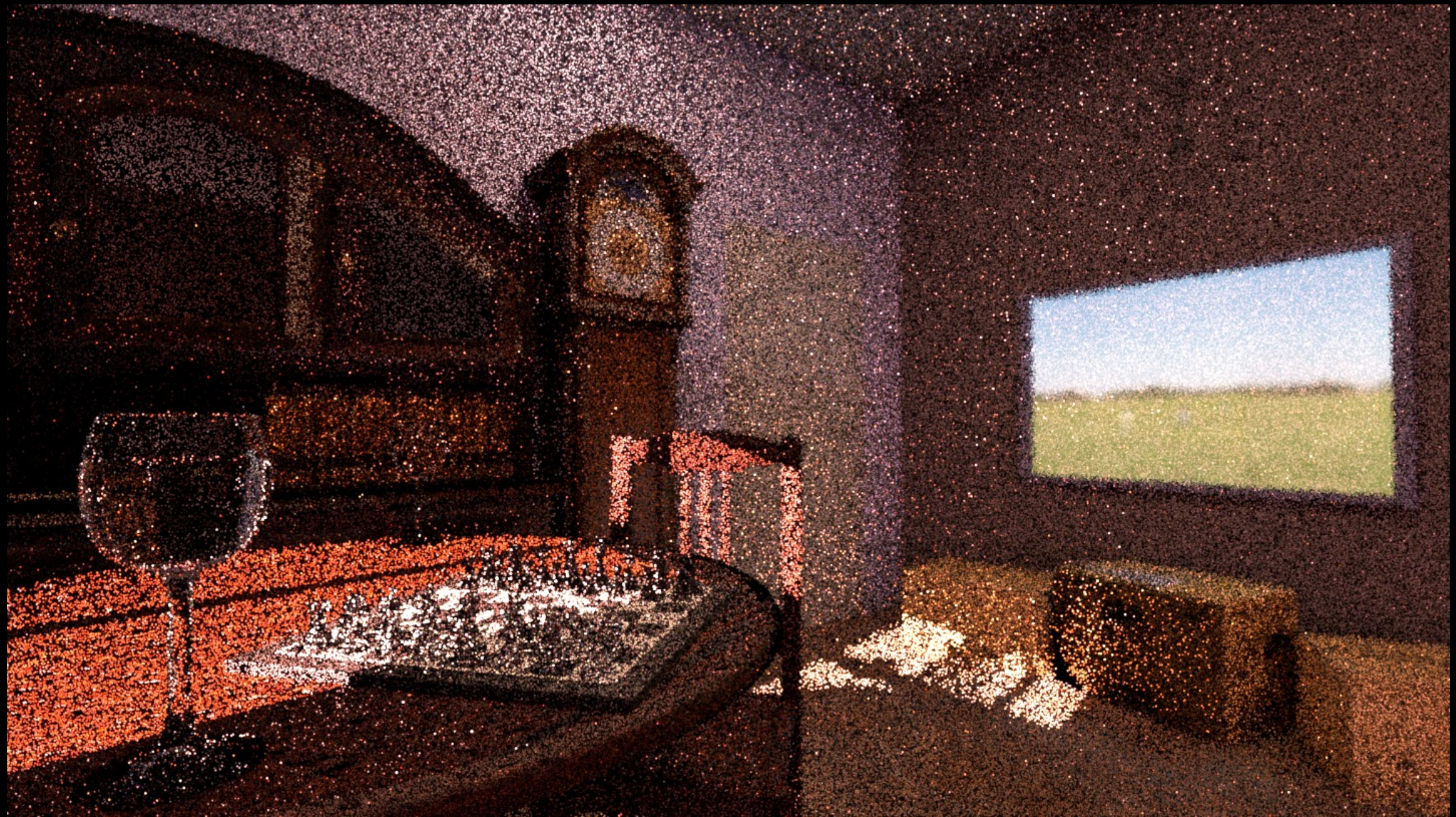
Materials	Surfaces	Lighting	Camera	Other
Rough dielectrics Rough conductors	Texture mapping Normal mapping	Environment maps Directional lights Textured lights	Depth of field	Incremental rendering

Implemented features

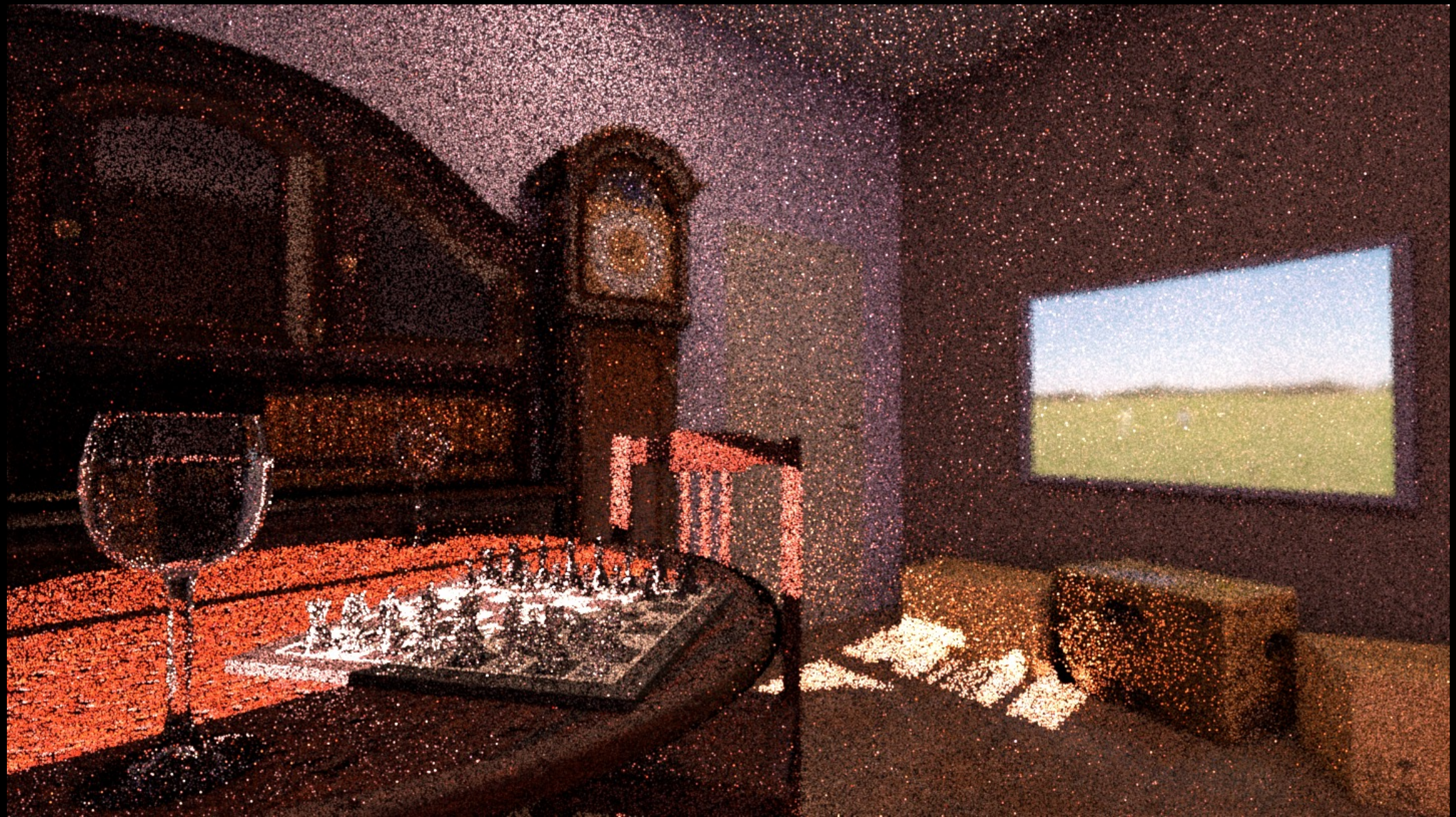
Materials	Surfaces	Lighting	Camera	Other
Rough dielectrics Rough conductors	Texture mapping Normal mapping	Environment maps Directional lights Textured lights	Depth of field	Incremental rendering

Final image rendered at 17mm APSC-size equivalent, 1440x810 px, 16384 samples per pixel

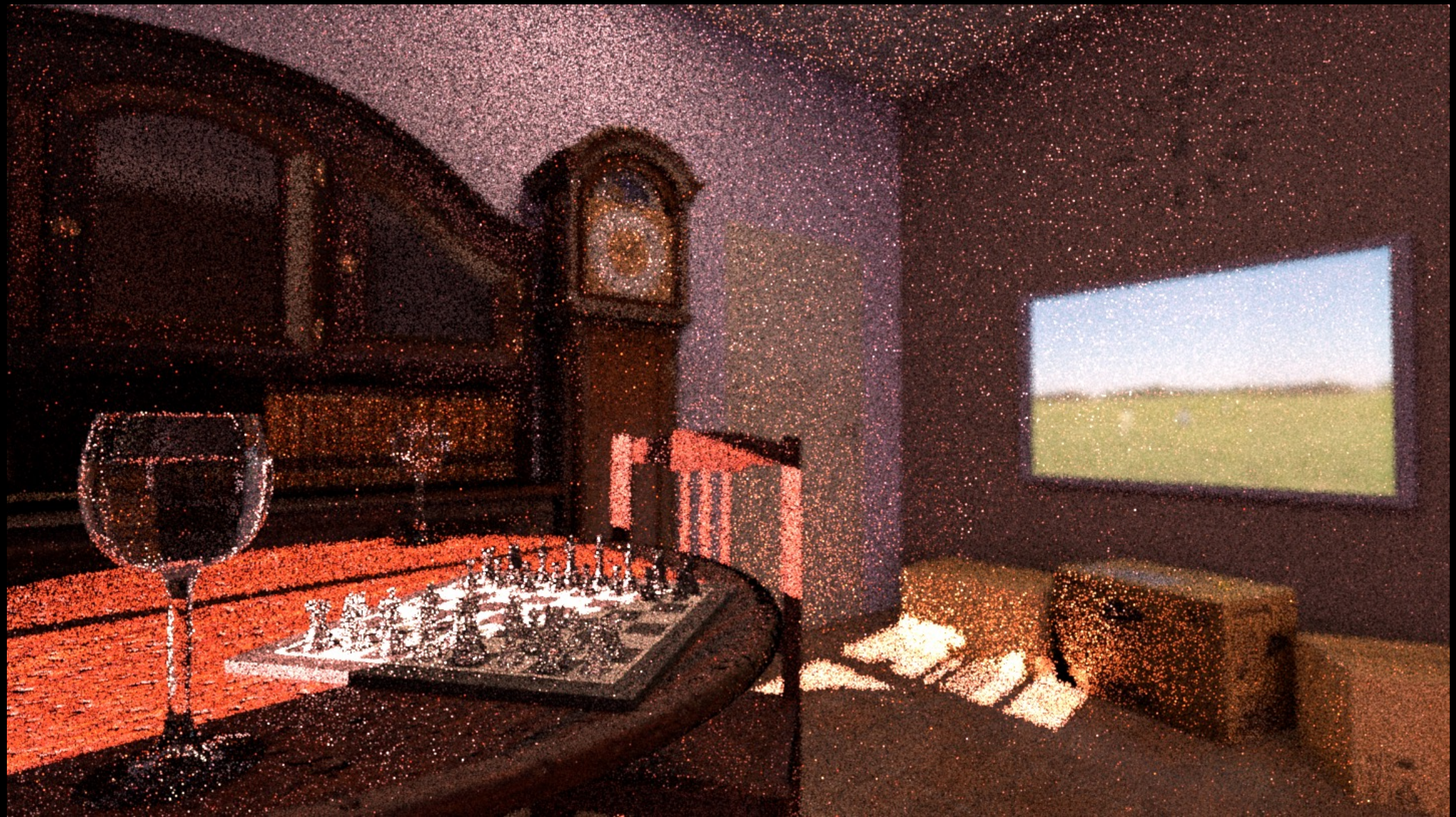
1 sample per pixel



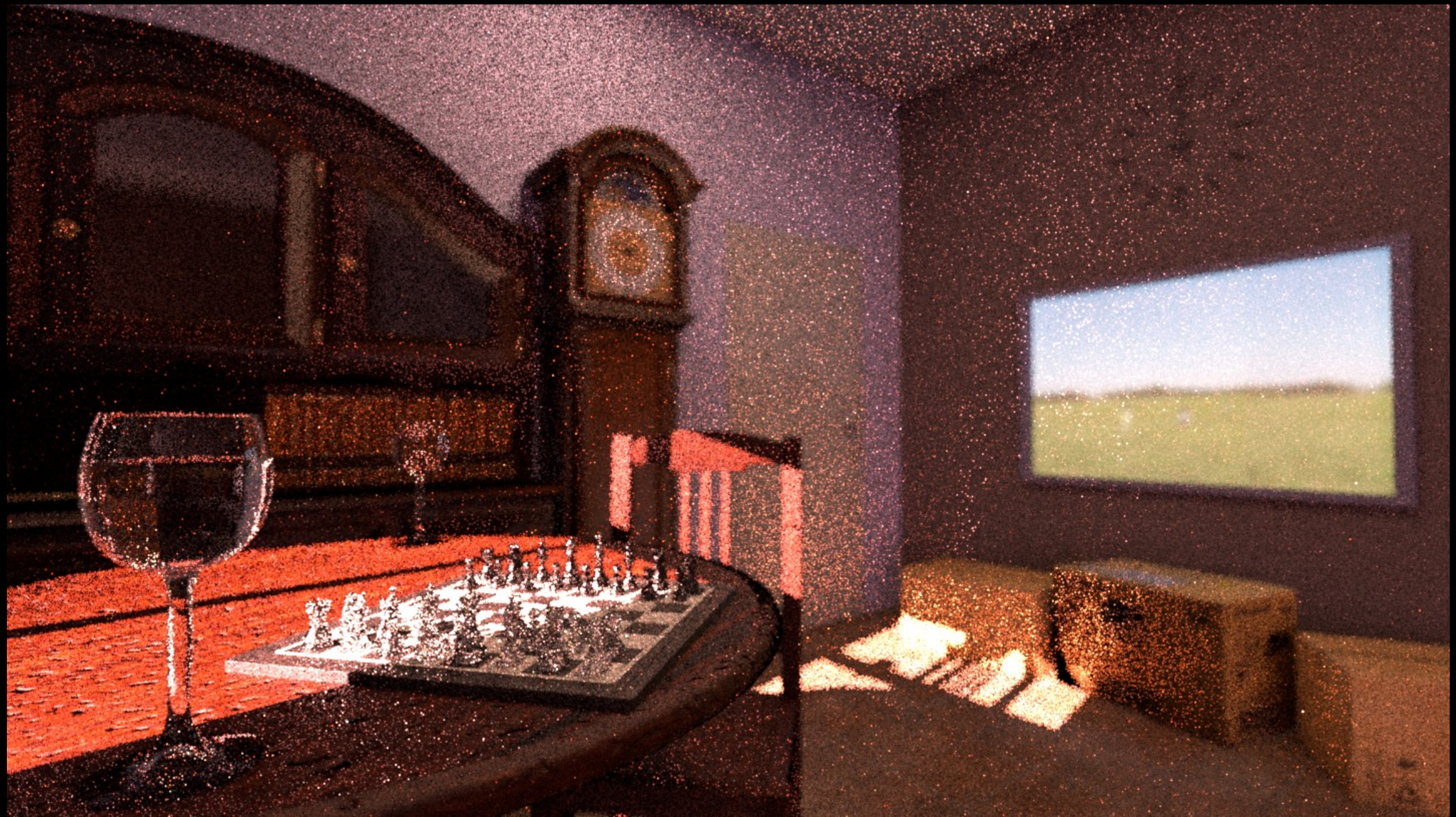
2 samples per pixel



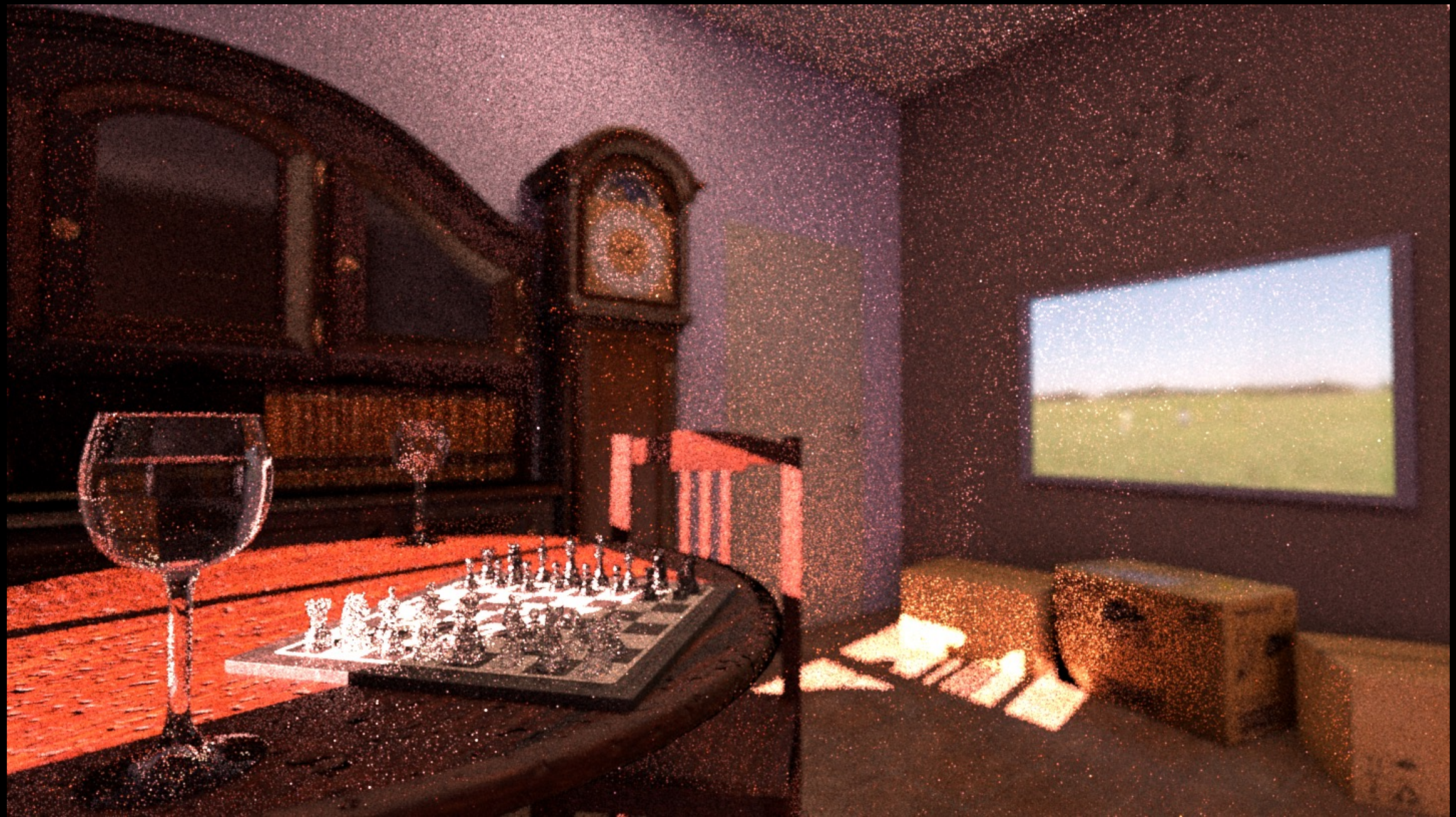
4 samples per pixel



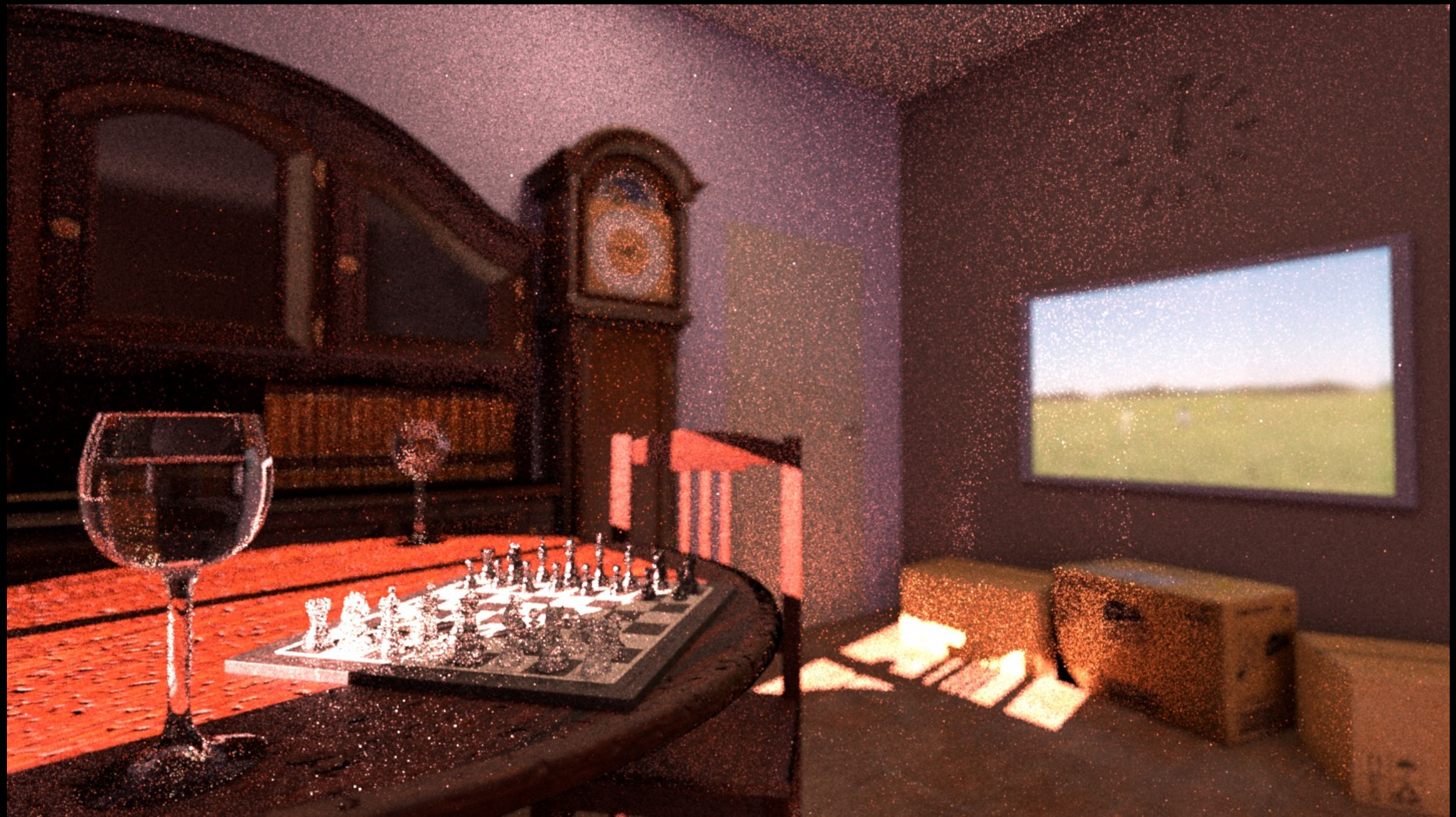
8 samples per pixel



16 samples per pixel



32 samples per pixel



64 samples per pixel

128 samples per pixel

256 samples per pixel

512 samples per pixel

1024 samples per pixel

2048 samples per pixel

4096 samples per pixel

8192 samples per pixel

16384 samples per pixel – overall around 5h on M1 Pro