

Neural Networks for Implicit Representations of 3D Scenes

Tutorial
SIBGRAPI 2021

Part 1

- 1st Generation Models [Global]
 - Occupancy Networks (Vinicius da Silva)
 - Deep SDF (Guilherme Schardong)
- 2nd Generation Models [Local]
 - BSP-Net (Tiago Novello)
 - Deep Local Shapes (Hallison da Paz)

Part 2

- 3rd Generation Models [Eikonal]
 - SIREN (Luiz Velho)
 - IGR (Luiz Schirmer)
- 4th Generation Models [Light Fields]
 - Differentiable Rendering (Daniel Yukimura)
 - Neural Radiance Fields (Thales Magalhães)