Learning-based Visual Synthesis

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Visual Content



Visual Content is responsible for most of the information from five senses

Visual Content









3D Model



Video

3D Sequence

Visual AI (Visual Understanding and Visual Synthesis)



My research goal is developing high-quality/efficient/scalable/intelligent <u>AI models</u> for visual synthesis systems.

Visual AI (Visual Understanding and Visual Synthesis)



Learning-based Visual Synthesis



Learning-based Visual Synthesis (GAN, Rendering, Visualization, etc.)

Introduction of Learning-based Visual Synthesis ➤ LVS Applications











3D Human Capture (3D Face, 3D Body, etc.)

3D Indoor Capture

3D Outdoor Capture

2D Capture and Enhancement (SR, Deblurring, Denoising, ISP, Style Transfer, etc.) 3D Capture and Enhancement (3D Human/Indoor/Outdoor/etc.)