





- InstructScene is a generative framework to synthesize 3D indoor scenes from instructions.
- It is composed of (1) a semantic graph prior and (2) a **layout decoder** to *improve the controllability and fidelity*.
- In the graph, each node is an object with semantic features; each edge represents a *spatial relationship* between objects.
- It proceeds to place objects in a scene by decoding precise 7 degrees-of-freedom attributes.

## More details and demos: please scan QR codes above

## InstructScene: Instruction-Driven 3D Indoor Scene Synthesis with Semantic Graph Prior

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