

GenIA: Generative Reconstruction with Test-Time Input Alignment

Original summary — NOT the original paper or model card.

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Coverage: Video topic

What the source reports

Test-time alignment framework for frozen SAM3D reconstruction, using geometry-grounded pose, visibility-aware observation fusion, rendering guidance, and optional refinement; supports monocular, multi-view and externally supplied dynamic geometry. [12]

Managing expectations

Dynamic geometry depends on an external predictor. Coarse shape is not directly grounded in observed silhouette/depth. Rotation remains prior-driven, and errors in masks, depth or cameras can harm rendering supervision. [12]

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