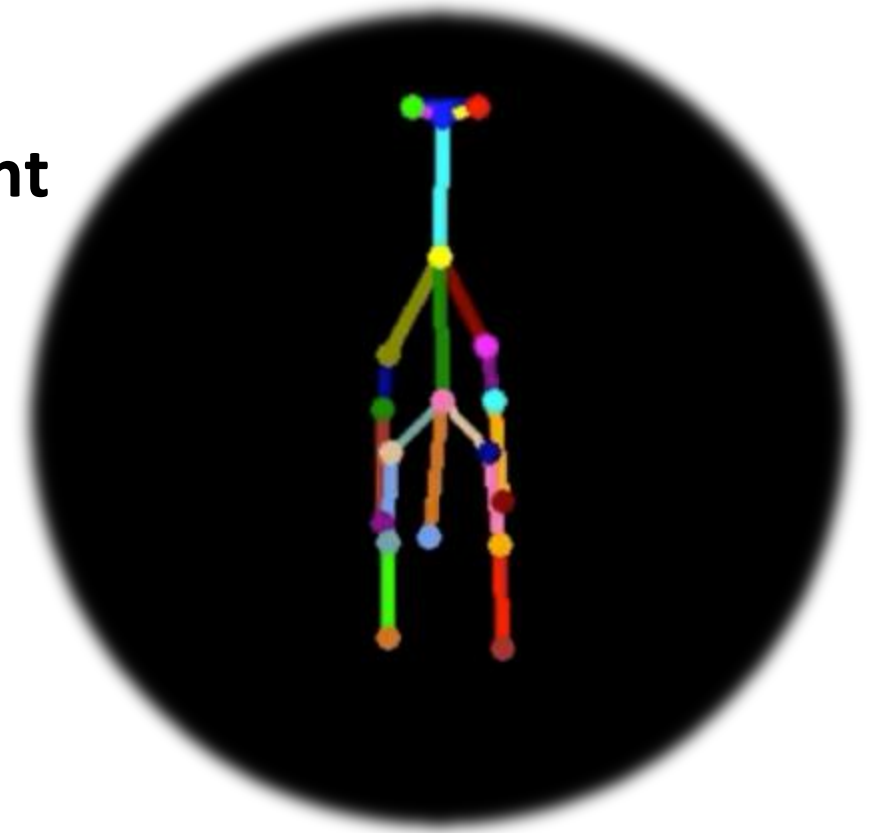# YouDream

Generating Anatomically Controllable Consistent Text-to-3D Animals

Sandeep Mishra*   Oindrila Saha*   Alan C. Bovik

*equal contribution

Representing unseen concepts

A zoomed out photo of a llama with octopus tentacles body
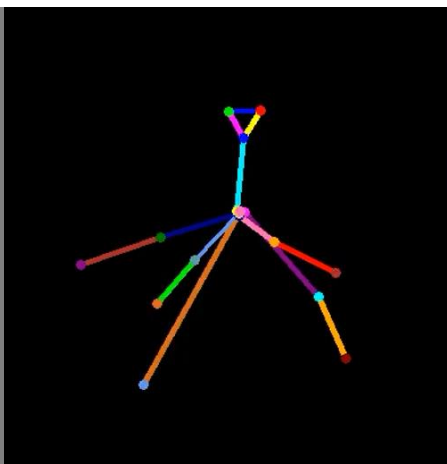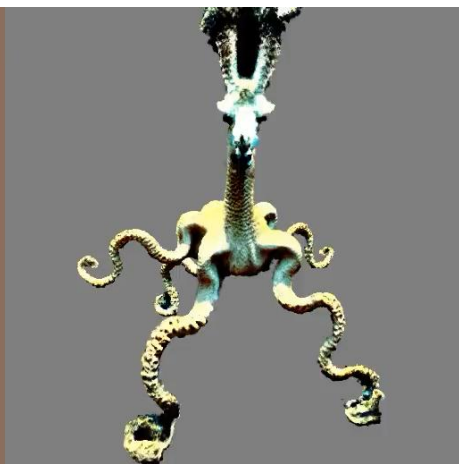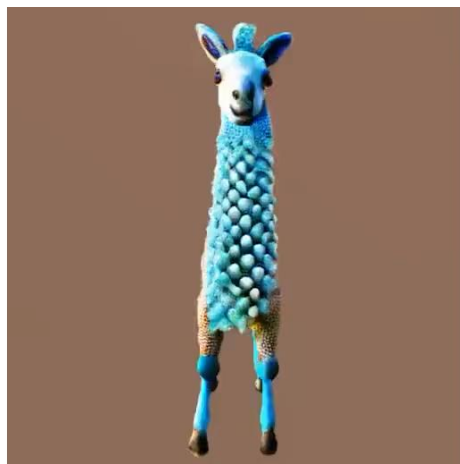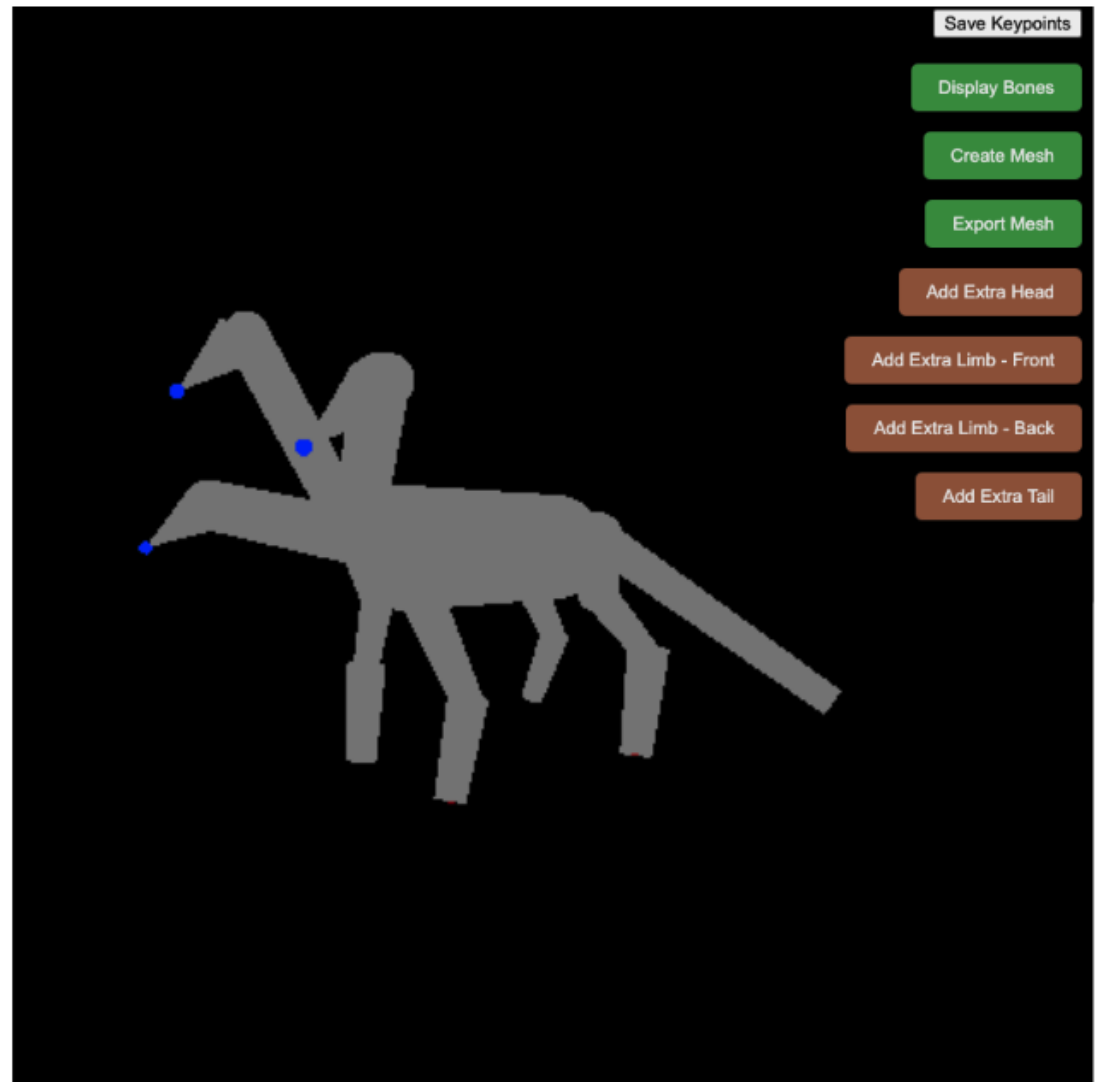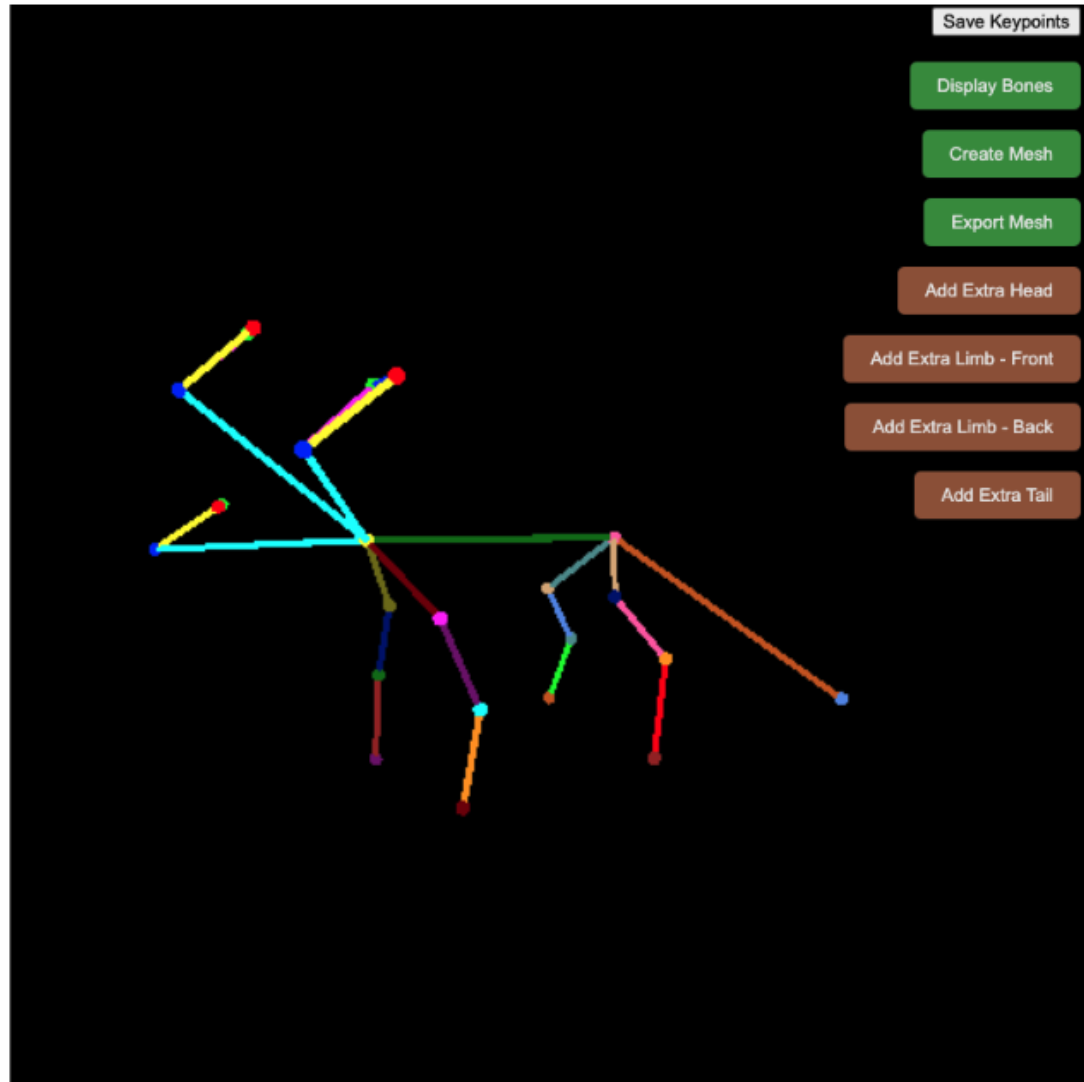

Text-to-image generations
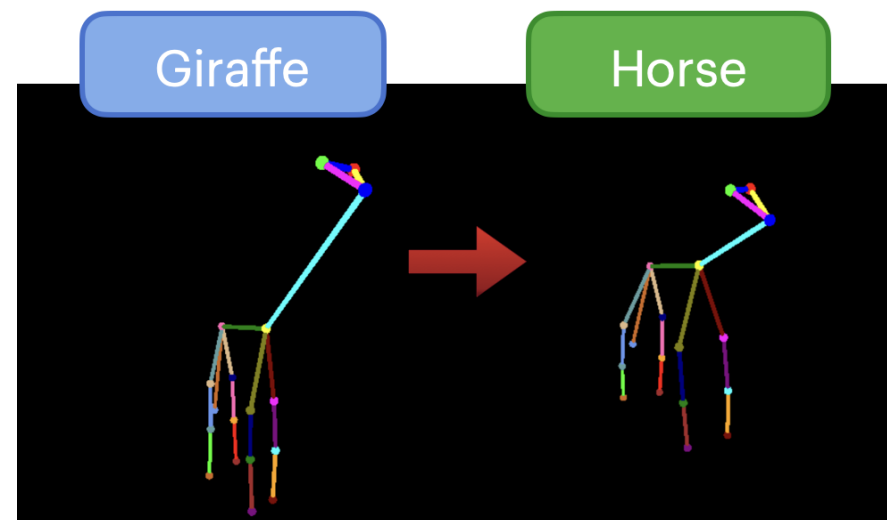
SDS based methods
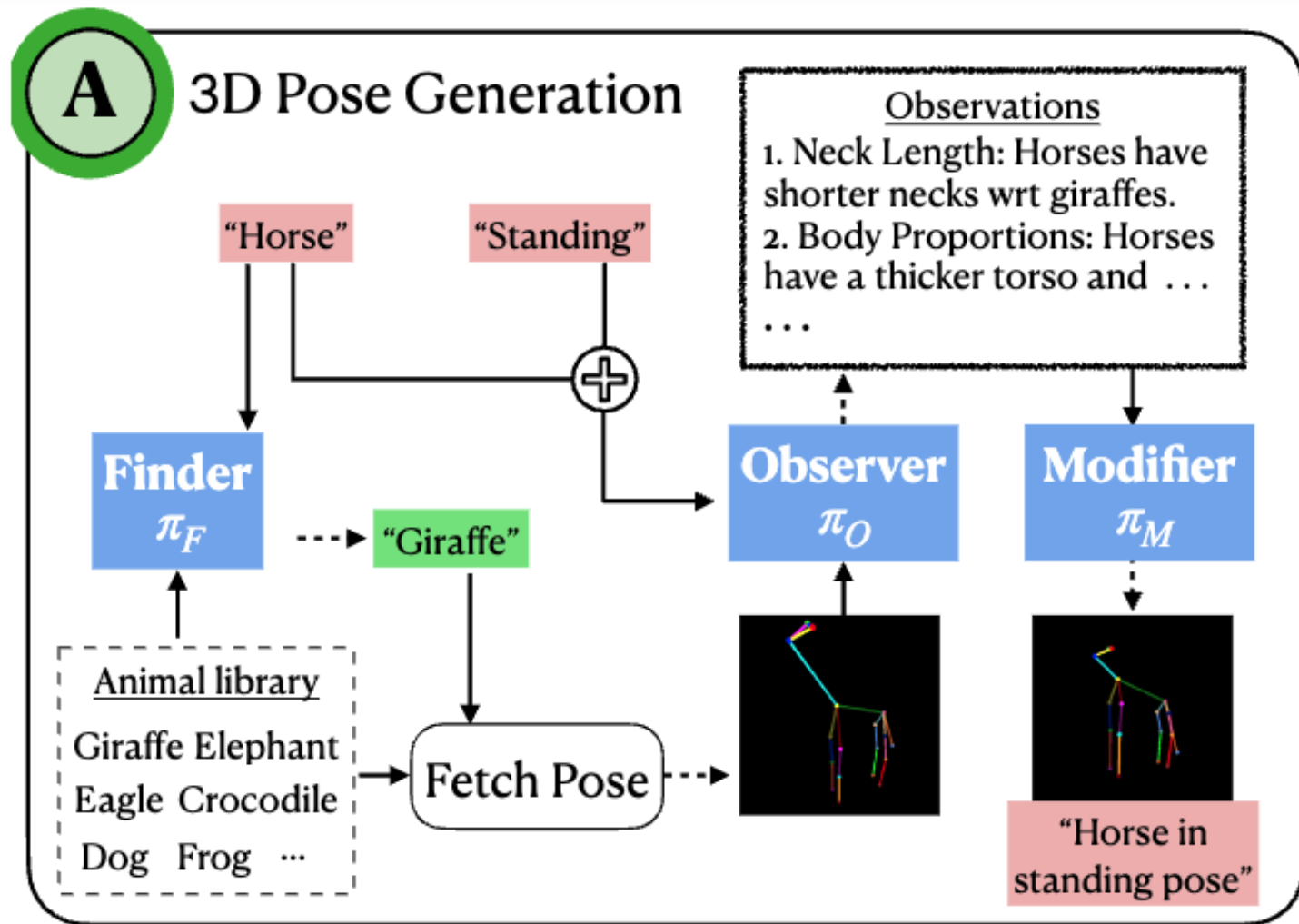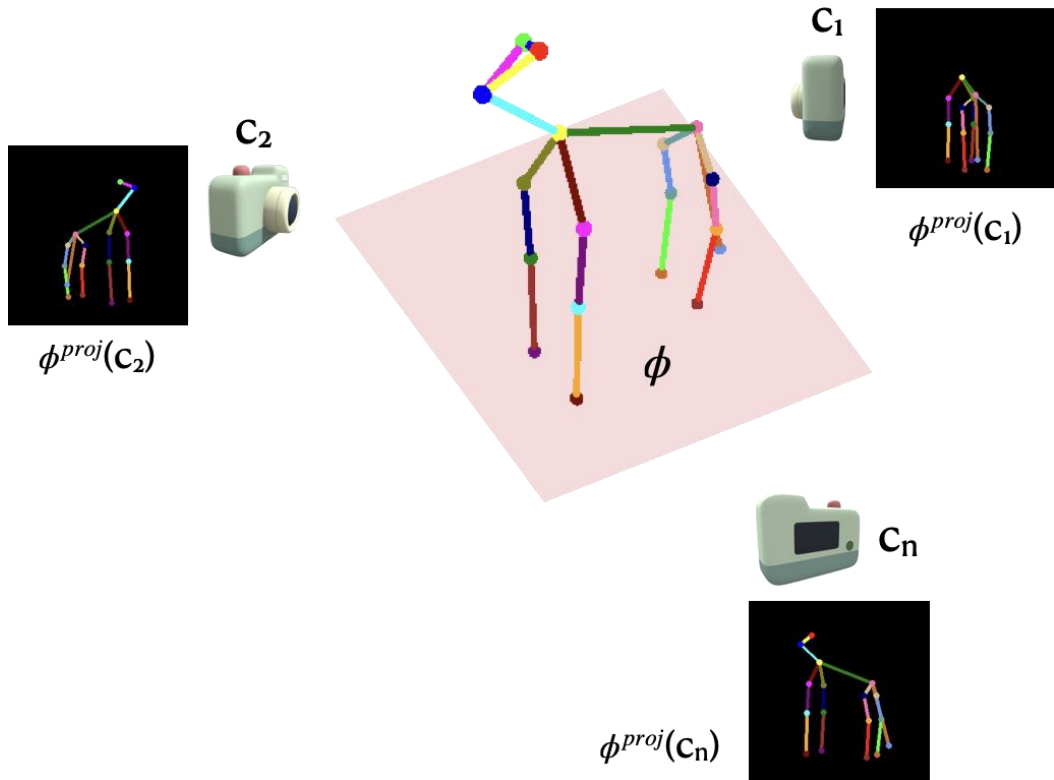
ProlificDreamer · HiFA · MVDream · YouDream(Ours) · 3D Pose Prior
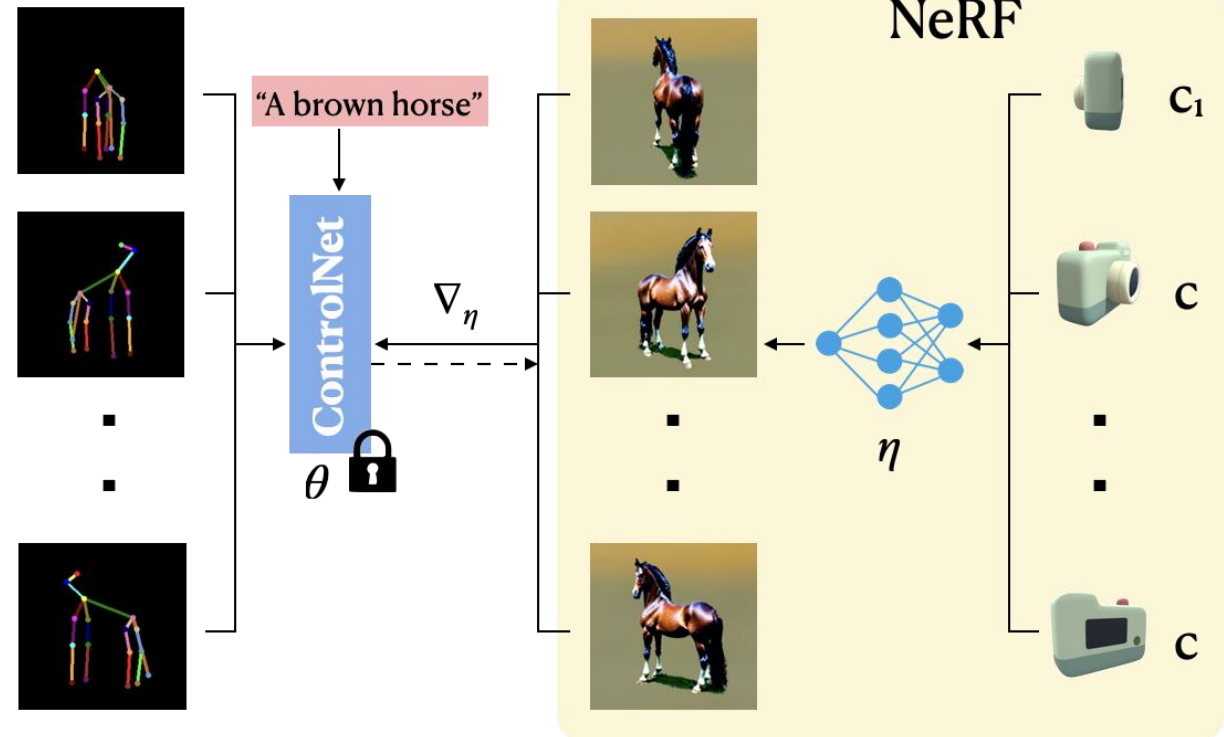
Hand Designed poses for 3D artists

Multi-agent LLM for 3D pose generation

Text-to-3D generation with pose prior

Results

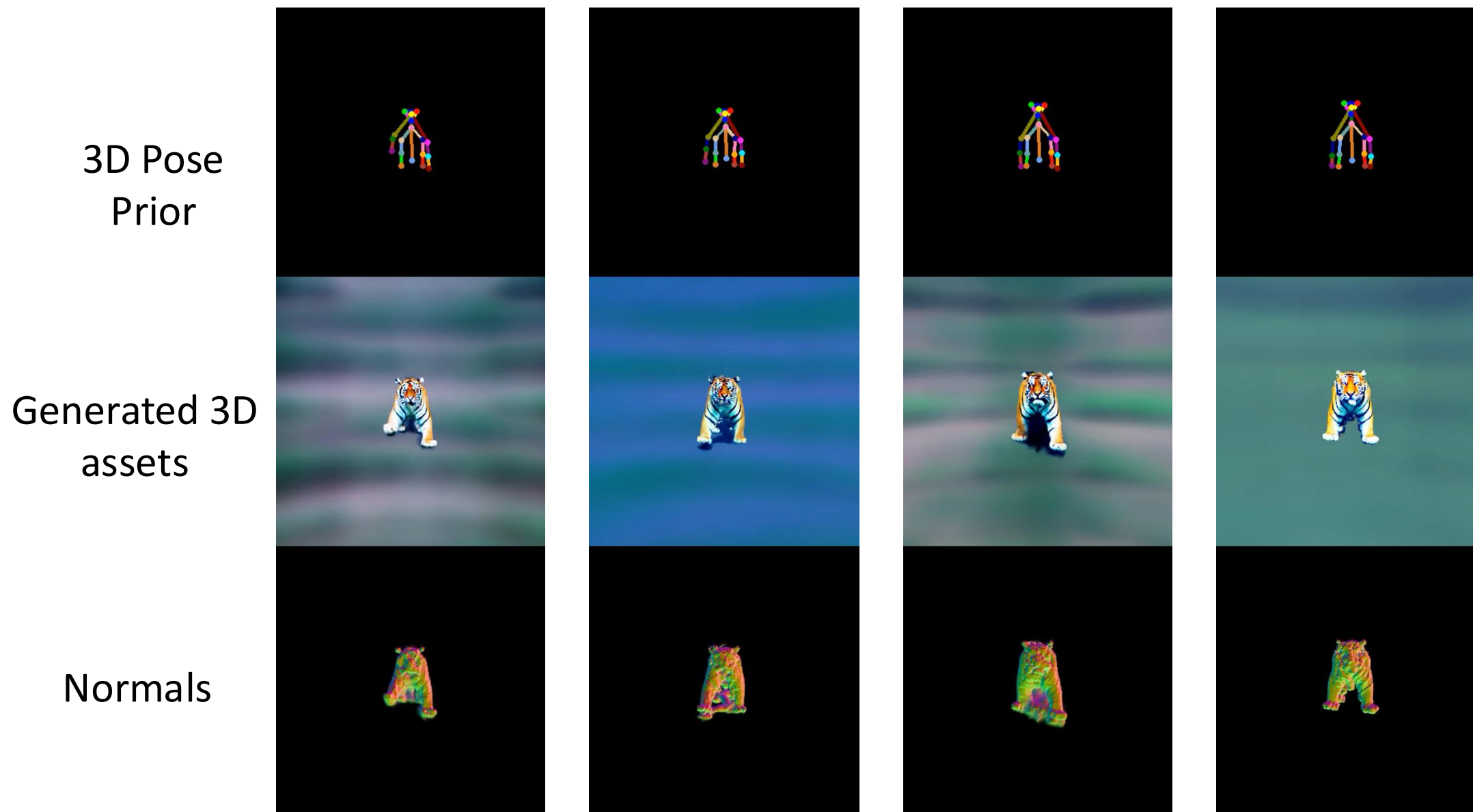*a zoomed out photo of a llama with octopus tentacles body*

a toucan flying with wings spread out

a realistic mythical bird with two pairs of wings and two long thin lion-like tails
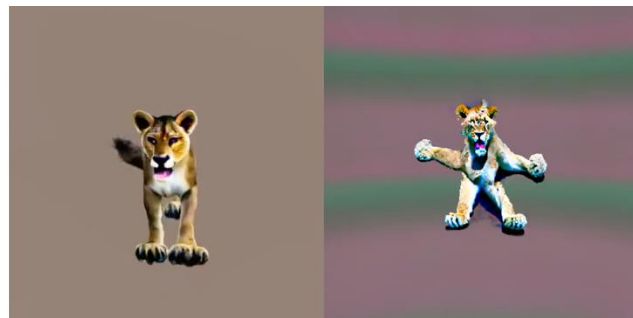
Fine-grained pose control

Comparison to Baselines

ProlificDreamer   HiFA   MVDream   **YouDream**

a six legged lioness, fierce beast, pouncing, ultra realistic, 4k

ProlificDreamer   HiFA   MVDream   **YouDream**

a zoomed out DSLR photo of gold eagle statue

ProlificDreamer   HiFA   MVDream   **YouDream**
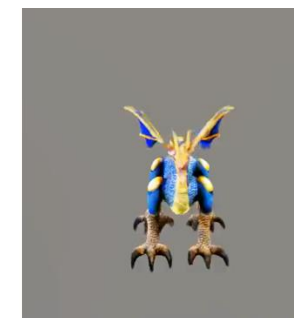

a pangolin standing on a flat concrete surface

ProlificDreamer   HiFA   MVDream   **YouDream**

a dragon with three heads separating from the neck

Thank you!

Visit us at Poster Session #5!