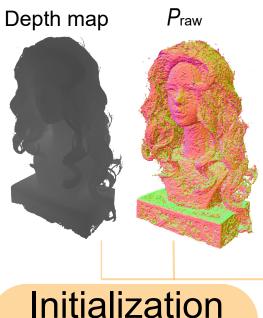


Input

Monocular video preprocessing

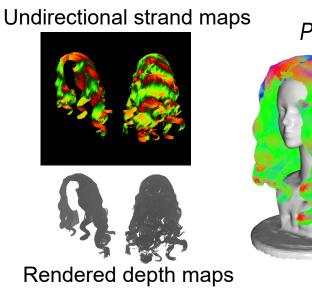


**Employ Instant-NGP** & render a depth map for each view



## **PMVO**

Filter out the noise of Praw & optimize the 3D direction for each 3D point



DeepMVSHair\*

Render an undirectional strand map & a depth map with 16 fixed views

Infer an inner structure



## Hair Grow

Generate strands & connect to scalp & remove ambiguity