

A thin flexible disc is observed repeatedly trapped near the vicinity of a vortex. Work will be presented on the 3D reconstruction and tracking of the disc using shape-from-silhouette and Thin-Plate Splines (TPS). The reconstruction process uses shape-from-silhouette to define an initial 3D reconstruction, which is subsequently refined by minimizing a cost function based on physical and visual criteria. Approaches to understand the mechanism behind the trapping” event will also be reviewed.