





Shape-Constraint Recurrent Flow for 6D Object Pose Estimation



Yang Hai¹



Rui Song¹

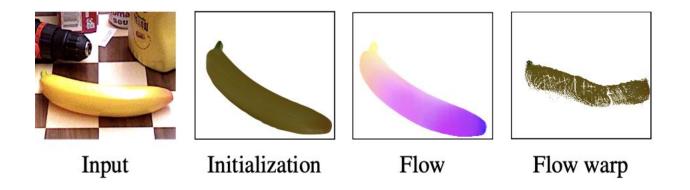
Jiaojiao Li¹



Yinlin Hu²

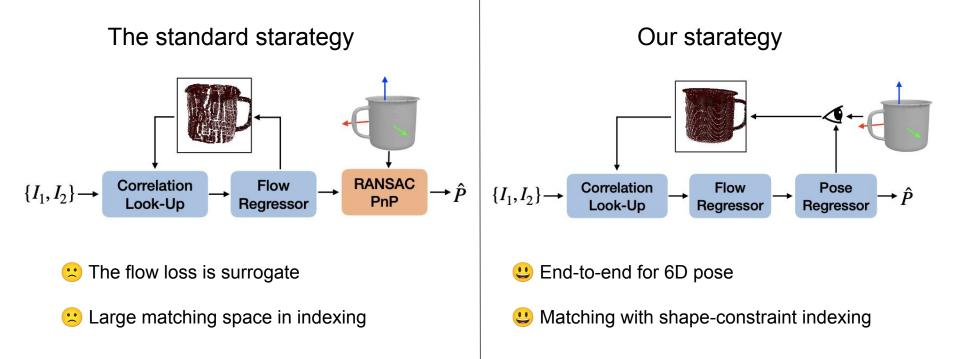
¹Xidian University, ²Magic Leap

Motivation

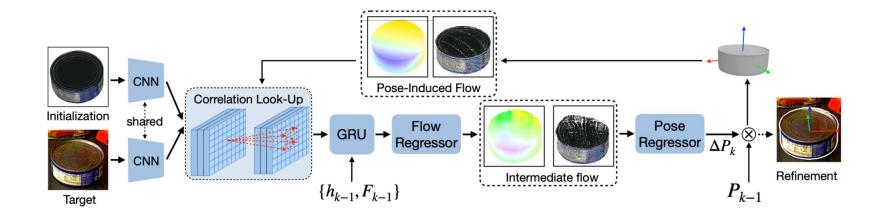


The matching procedure does not consider the 3D shape prior

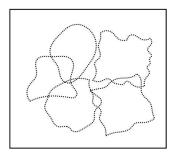
Different pose refinement paradigms

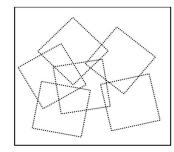


The overall framework



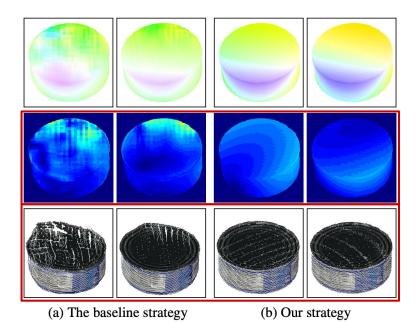
Shape-constraint correlation space





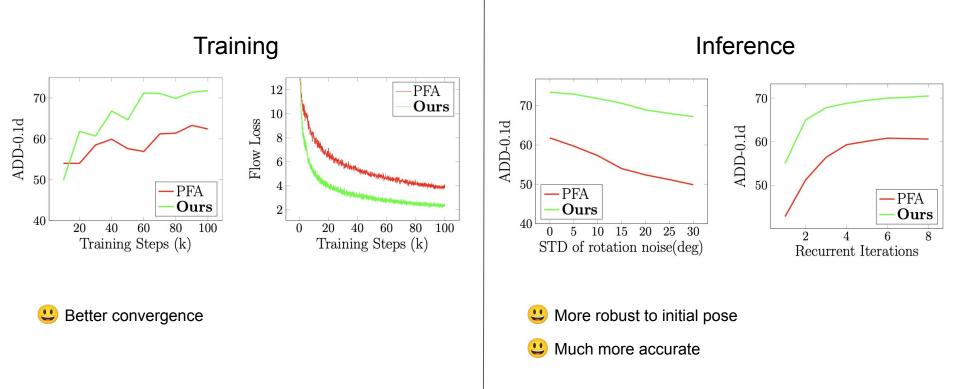
(a) Standard

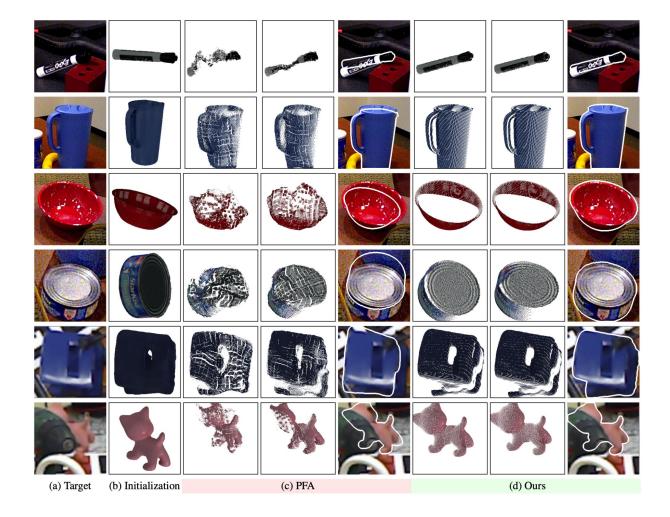
(b) Shape-constraint



- 😃 More accurate flow and pose
- 😃 Embeds the shape prior

Results





Thanks



