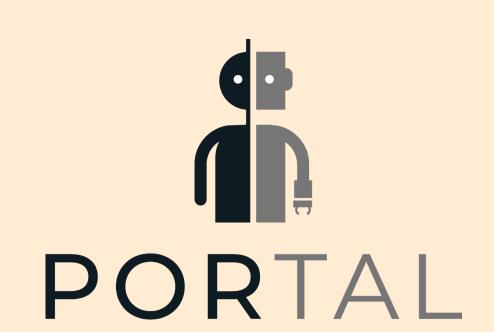
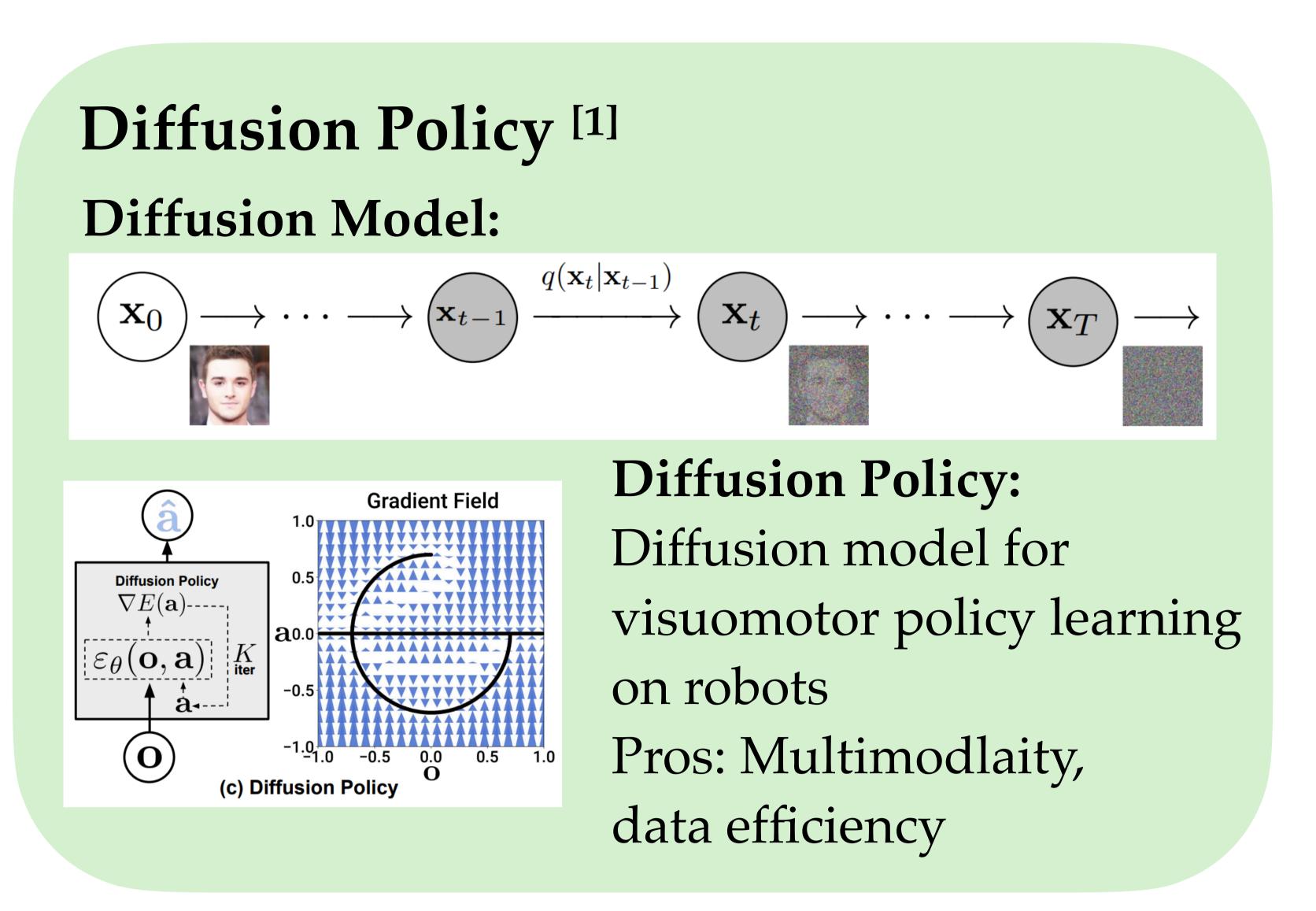


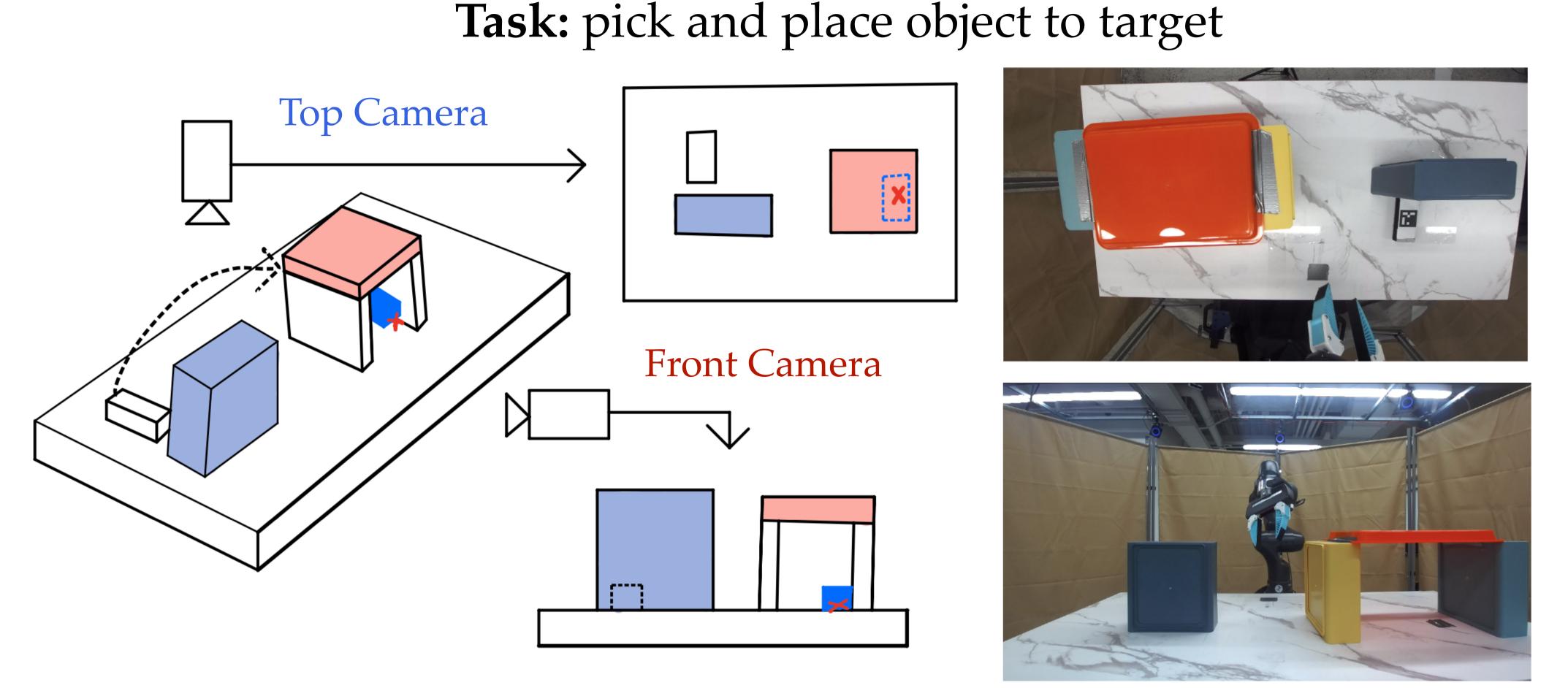
### Multi-View Robot Learning

Sarah Ha, Sanjiban Choudhury



### Experiment



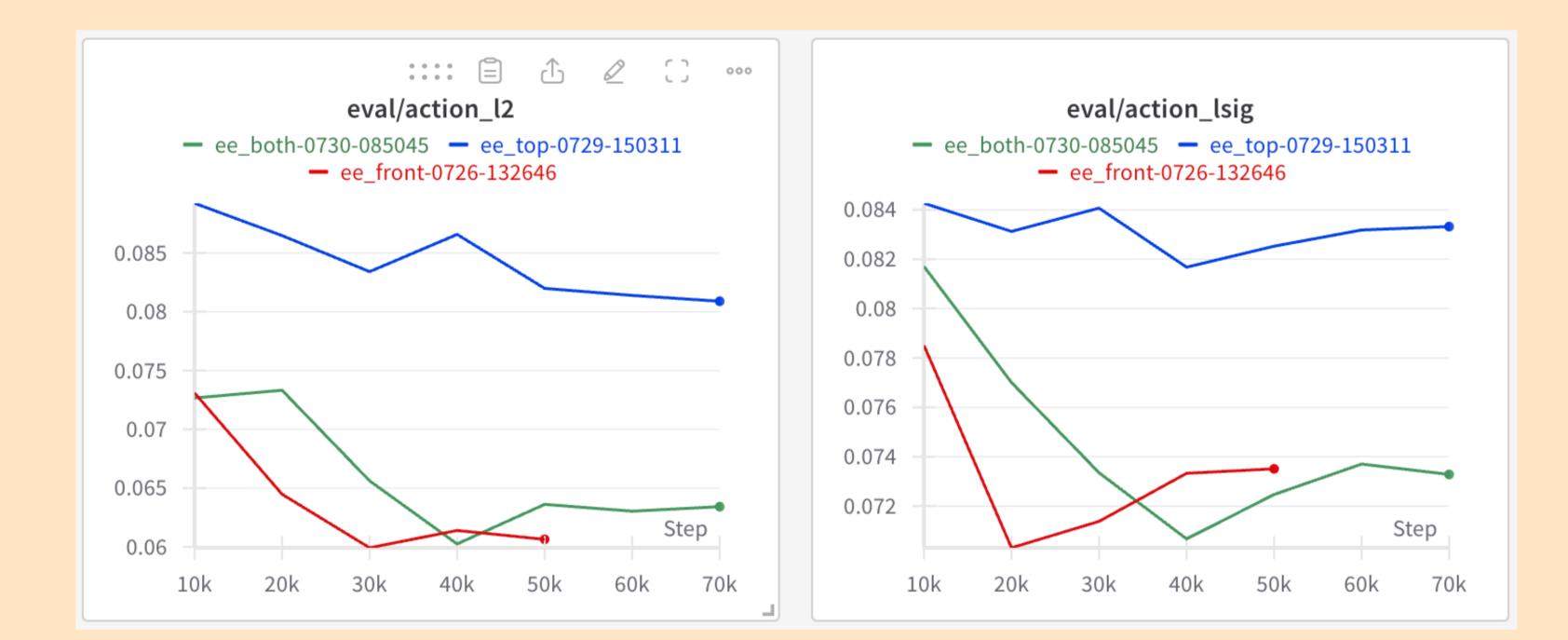


Top camera can see pick, front camera can see place

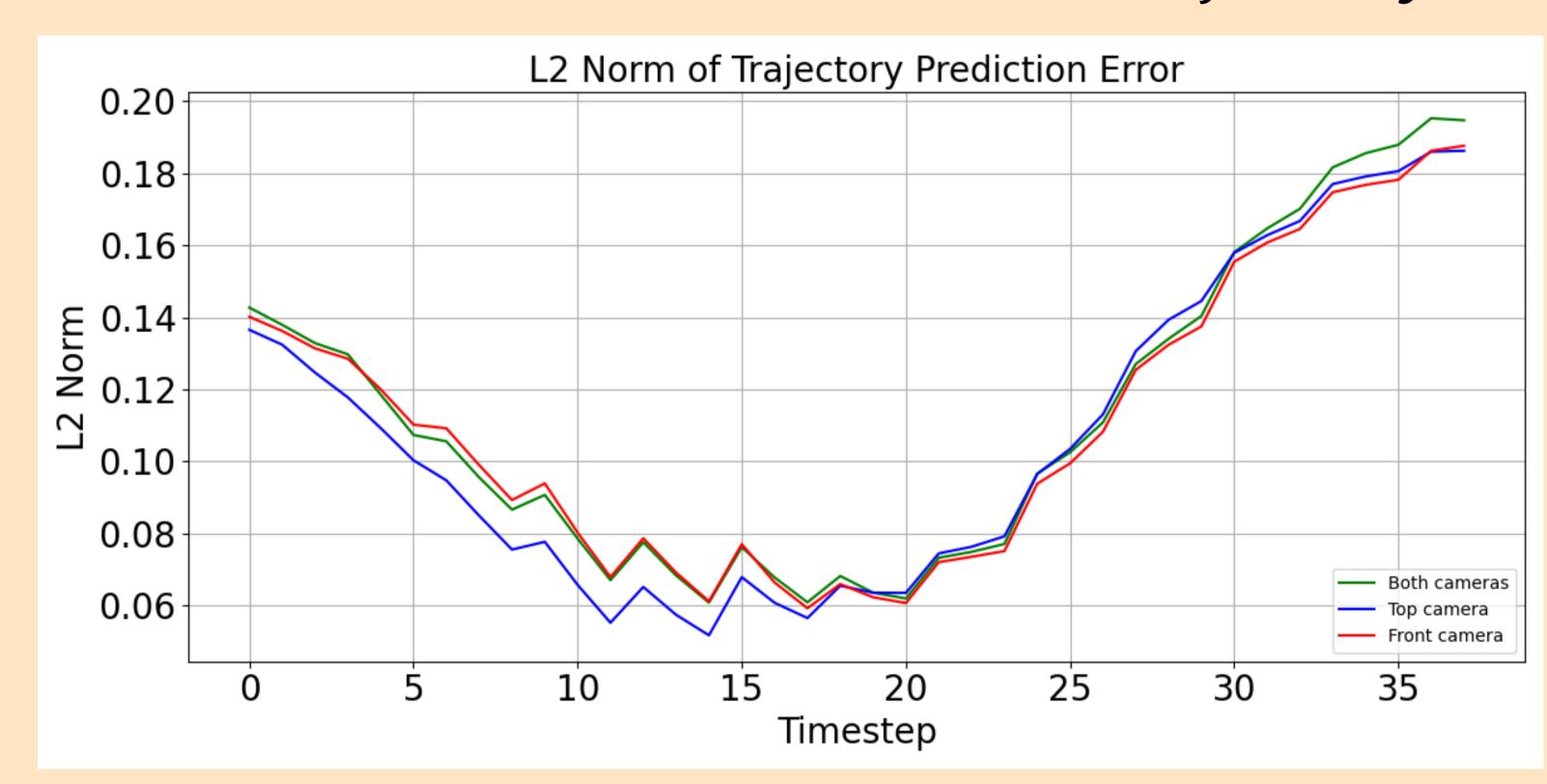
We train 3 models conditioned on 1) top camera feed 2) front camera feed and 3) both cameras

#### Evaluation

## Quantitative Analysis Q1) Did the models converge?



### Q2) How much error across a trajectory?



Errors across different models were similar across trajectory: Inconclusive

## Future Work

- Address the issue of quantitative evaluation not matching qualitative evaluation
- Explore other modes of overcoming occlusion from camera frame such as image inpainting and 3D representation
- Test more complex tasks requiring multiple camera views due to more occlusions

# Qualitative Analysis Q1) Real World Evaluation

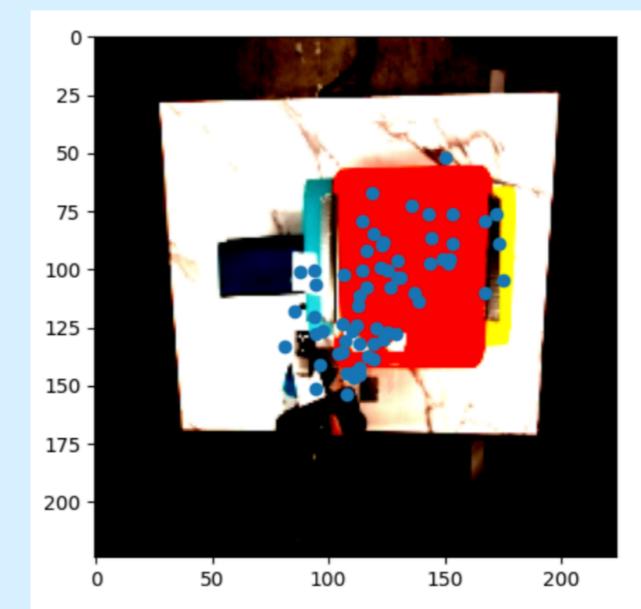
Top camera view:
pick location visible
Robot approaches the target

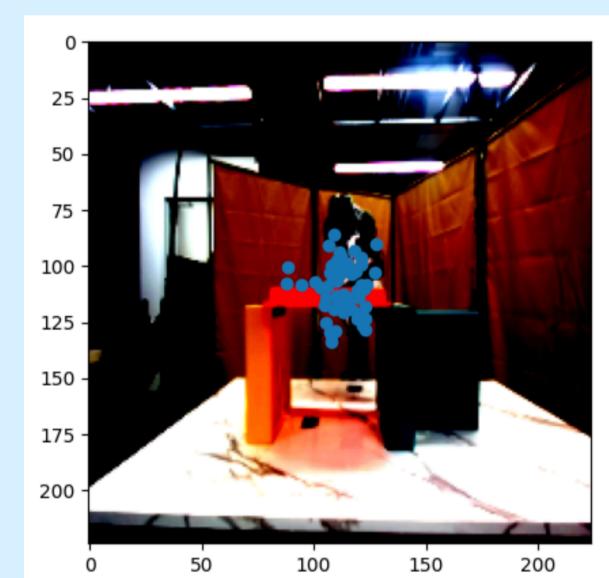
Front camera view:
pick location not visible
Robot does not move!



The two models show significant difference between success rates of task

Q2) Where does my model pay attention to? [2]





Top camera policy

Front camera policy

