

Paper Analysis

Read one of the papers below and answer the “Blackbox” questions.

Submit your answers as a pdf to Gradescope.

Pick one of the following papers (or suggest your own and include the reference):

- MUTEX: Learning Unified Policies from Multimodal Task Specifications (CoRL 2023)
- Waypoint-Based Imitation Learning for Robotic Manipulation (CoRL 2023)
- ScrewMimic: Bimanual Imitation from Human Videos with Screw Space Projection (RSS 2024)
- Variable impedance control in end-effector space: An action space for reinforcement learning in contact-rich tasks (IROS 2019)

Answer the following questions:

- a. What is the problem the paper is solving? (in plain English, little technical jargon)
- b. Why is the existing state of the art insufficient? What’s missing?
- c. What is this paper’s novelty? What is their clever idea?
- d. How is this idea evaluated? What are the main experiments and findings?