RoboFAC Data Collection & Annotation



Replace the original motion planning code <Substage-2>

<Error code snippet>

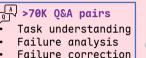
Add perturbation! <Substage-N>



- 1. <video path> 2. <failure type> 3. <error substage>
 - 4. <error detail>

5. <Perturbed pose>

Video & Description





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GPT-40

RoboFAC Model Training

Qwen2



<Substage-3>

<...>

Language query റ്0®

Task understanding 1. The robotic arm is performing <task>

Failure analysis

3. The task is NOT succeeded

4. The failure type is <failure type>

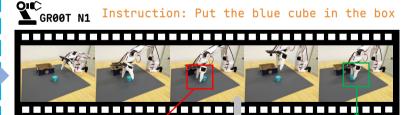
5. The error happens in the <substage-k> 6. The error happens because <reason>

2. Planning: <substage-1>, <substage-2>, .

Failure correction

7. High-level: The robot should first do <subtask-a>, then do <subtask-b> 8. Low-level: The robot should move towards <direction> to alian with ...

Guide VLA Model



RoboFAC

Successfully grasp the cube Fail to reach the blue cube Move the robot arm slightly backward and then adjust

it to the left to alian with the center of the blue cube. After achieving alignment, lower the endeffector to grasp the cube securely before lifting it and moving it towards the box.