

Exploring Novel Techniques for Robotic Interaction with Liquids using Python Programming Language

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Abstract: *Robotic manipulation of liquids presents a challenging yet promising avenue for various industries, including manufacturing, healthcare, and environmental monitoring. This research delves into the investigation of innovative techniques for enhancing robotic interaction with liquids using the Python programming language. The study explores a range of methodologies, from classical control approaches to advanced machine learning techniques, in order to develop efficient and adaptable liquid manipulation strategies. Through experimentation and analysis, this research aims to contribute to the growing field of robotics by providing insights into effective ways to manipulate liquids in diverse scenarios*

Keywords: Robotics, Liquid Manipulation, Python Programming Language, Classical Control, Reinforcement Learning, Computer Vision, Machine Learning, Fluid Fantasia, Simulation

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