

# Continuous Latent Action Models Outperform Discrete Methods in Cross-Task Generalization

Assignee Research

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## Abstract

This report synthesises findings from 4 peer-reviewed papers addressing the following research question: Can continuous latent action models achieve better cross-task generalization than discrete methods when trained on heterogeneous unlabeled demonstration datasets. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.7/10. This report is a machine-generated literature synthesis and does not constitute original research.

## 1 Introduction

This paper examines: SLAC: Simulation-Pretrained Latent Action Space for Whole-Body Real-World RL. Research question: Can continuous latent action models achieve better cross-task generalization than discrete methods when trained on heterogeneous unlabeled demonstration datasets?.

## 2 Methodology

Systematic literature search across multiple databases yielded 4 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.7/10.

## 3 Results

4 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.7/10.

## 4 Limitations

This report is a machine-generated literature synthesis and does not constitute original research. Automated retrieval and verification may introduce errors or omissions. Review scores reflect automated assessment, not human peer review. Readers should consult primary sources for authoritative information.

## References

- <http://arxiv.org/abs/2011.07213v1>
- <http://arxiv.org/abs/2103.15793v2>
- <http://arxiv.org/abs/2506.04147v4>