Advancement of Machine Learning in Motion Matching for Gameplay Animation.

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Abstract

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Keywords: Animation, Neural Networks, Motion Matching

Introduction

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Problem Statement

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Research Aims

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Research Questions and Objectives

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Research Significance

Q1: How does motion matching contribute to the enhancement of character animation in video games. (Starke et al., 2022)

Proposed System Overview

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Conclusion

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References

Starke, S., Mason, I., & Komura, T. (2022). DeepPhase: Periodic autoencoders for learning motion phase manifolds. *ACM Transactions on Graphics (TOG)*, *4*, 1–13.

Starke, S., Zhao, Y., Komura, T., & Zaman, K. (2020). Local motion phases for learning multi-contact character movements. *ACM Transactions on Graphics (TOG)*, *4*, 54–1.