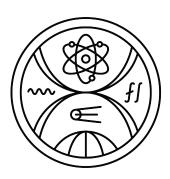
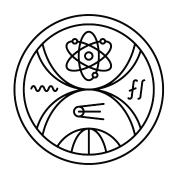
COMENIUS UNIVERSITY IN BRATISLAVA FACULTY OF MATHEMATICS PHYSICS AND INFORMATICS



ACTIVE DOMAIN RANDOMIZATION FOR TRAINING THE VIRTUAL TWIN OF NICO IN UNITY

Master thesis

COMENIUS UNIVERSITY IN BRATISLAVA FACULTY OF MATHEMATICS PHYSICS AND INFORMATICS



ACTIVE DOMAIN RANDOMIZATION FOR TRAINING THE VIRTUAL TWIN OF NICO IN UNITY

Master thesis

Study program: Applied Computer Science

Branch of study: Computer Science

Department: Department of Computer Science

Supervisor: Mgr. Štefan Pócoš, PhD. Consultant: Mgr. Iveta Bečková, PhD.

Bratislava, 2025	Ľuboš Hellesch, Bc.

Acknowledgement

Abstract

Keywords:

Abstrakt

Kľúčové slová:

Contents

List of Figures

List of Tables

Terminology

Terms

Bibliography

- [1] Kai Arulkumaran, Marc Peter Deisenroth, Miles Brundage, and Anil Anthony Bharath. A brief survey of deep reinforcement learning. arXiv preprint arXiv:1708.05866, 2017.
- [2] Bhairav Mehta, Manfred Diaz, Florian Golemo, Christopher J Pal, and Liam Paull. Active domain randomization. In *Conference on Robot Learning*, pages 1162–1176. PMLR, 2020.
- [3] Richard S Sutton, Andrew G Barto, et al. Reinforcement learning: An introduction, volume 1. MIT press Cambridge, 1998.