

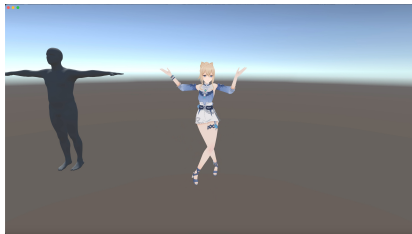
# Weekly Report

WU Zihan

November 24, 2023

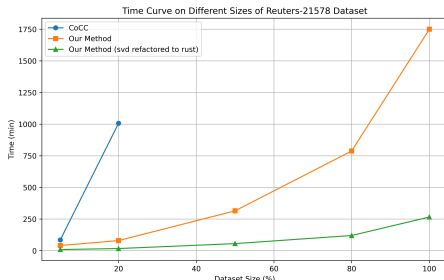
# Outline

# Dancing Dataset



- ▶ Conclusion: not so suitable for our task
- ▶ Reason: the dataset is complicated and the information is rich, resulting high-rank for feature matrix
- ▶ Pure quaternion / quaternion + mirror / lsignature / Mirrored lsignature are tried as features

# NLP Dataset



- ▶ Reuters-21578
- ▶ 21,578 documents, 135 topics
- ▶ The memory consumption prevents us using python to calculate on bigger dataset (Trying MovieLens Dataset)
- ▶ Using rust to refactor the calculation part on submatrix