Robotics: Introduction to AI in robotics

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- Final organization

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  - ▶ Studied at Charles University
  - ▶ From 2024, Ph.D. student at CIIRC/FEL ČVUT

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- ▶ Georgy Ponimatkin: Pose estimation in unknown environment
  - ▶ Studied at Faculty of Nuclear Sciences and Physical Engineering
  - ▶ Spend several years at ENPC in Paris
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- ▶ Martin Sedláček: Large models based robot control
  - ▶ Studies at University of Amsterdam
  - ▶ Research based master program
  - ▶ Starting Ph.D. in 2025

Test next year

- Dynamic analysis of manipulators
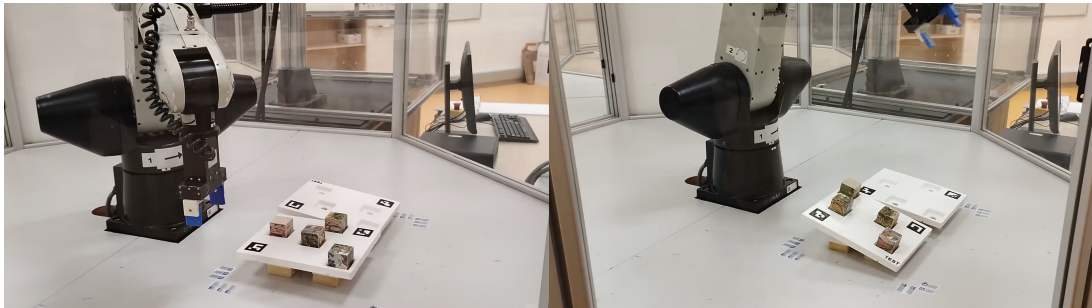- Kinematics of closed kinematic chains

Final work

- ▶ Testing desks available at CW
- ▶ (Soft) Deadline for submission is 05.01.2024
  - ▶ report and code finalized in advance
  - ▶ -1p every 72h
- ▶ Necessary to evaluate before the exam

Final work examples

Exams

- ▶ Dates are published in KOS
- ▶ Written exam - example on course web
    - ▶ Theoretical questions
    - ▶ Computation with transformations
    - ▶ Kinematics of open kinematic chains