Project R.1: motion retargeting for grasping tasks

EndoWrist® Instrumentation
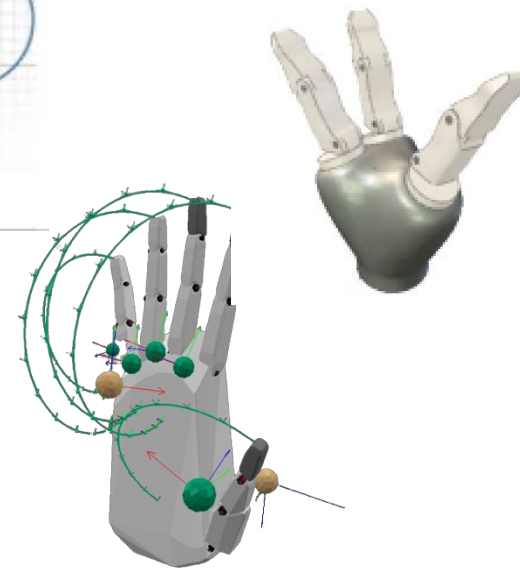
- retargeting the motion of a human hand on different hand models for grasping tasks using synergies (correlation of degrees of freedom in patterns of more frequent use)
- hand tracking via TouchDiver wearable haptic interface
- C++/Python/Matlab programming
- C++/Python programming

reference material

- previous project report
- Master thesis report

*Medical Robotics – **2025 Final projects***

- relevant competences: robotics, neuroscience, coding
- recommended for mixed groups of students

presentation of results

- written report with selected results + pdf, software, videos, presentation (all shared in a Drive folder)

- 20 min live presentation (ppt or other) of the obtained results