

Checklist: Static Optimization for Gait

Model (.osim file)

- To open a model file in the GUI, select File Menu→ Open Model

Kinematics (.mot or .sto file)

- Main Settings→Motion→From File→<your kinematics file>
- Filter Kinematics: Depends on your data

Time Range

- Start and End time

Residual Actuators

- Required because the 6 degree of freedom joint between the ground and pelvis lacks actuators.
- Actuators and External Loads→Append to model's force set

External Loads

- Actuators and External Loads→ Force set file
- External Loads data
- External Loads kinematics
- Filter settings

Analyses

- Add static optimization analysis