**Maximum Acceleration**

The goal of this test is to measure the torque exerted by the user to move the unactuated system at different velocities and accelerations.

**How to do the measurement:**

1. Run “4\_transparency\_plane\_main.vi”
2. Enter a **non-existent** tdms file name
3. Grab the handle and fixate your index finger like it was a real application
4. With your free hand: press **save data to** to start the recording
5. Move the end-effector with your finger in sine-form at different frequencies
6. With your free hand: press **save data** to stop the recording
7. Free your hand

**How to do the analysis**

1. Ein Bild, das Text enthält.

   Automatisch generierte BeschreibungAdjust the name for the tdms file:
2. Adjust plot settings: **Adjust the name under which it is saved!** **Ein Bild, das Text enthält.

   Automatisch generierte Beschreibung**

You can also adjust other settings like the axis limits; I took the same as Marc did in his report to have a comparable data set between the different MIKE versions.

1. Read the apparent inertia and damping as well as the max and avg z residual from the output
2. You’re done 🎉