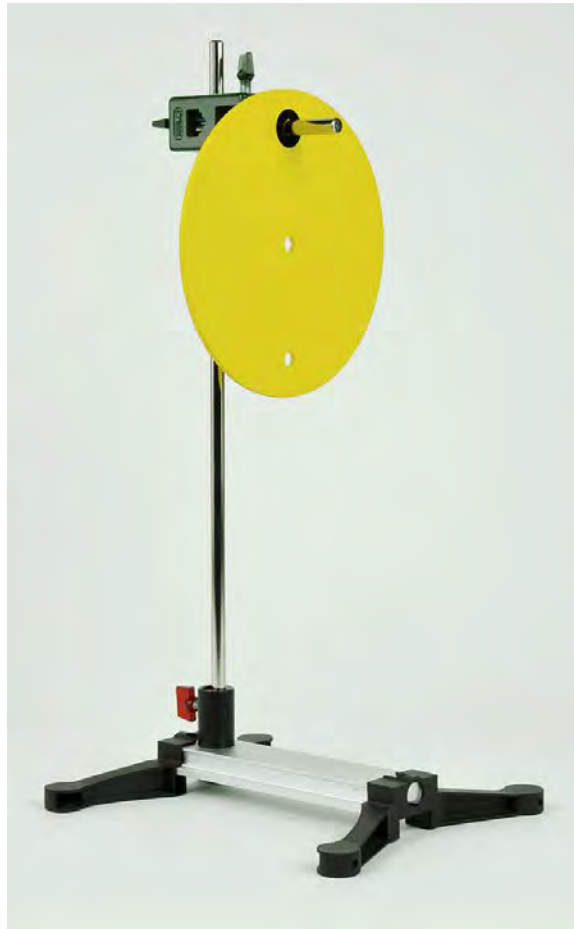




Material:

Item-no.	Qty.	Description
DS090-3K	1	Claw base "Sepp", 260 x 220 mm
P7240-1G	1	Support rod, round, L=500 mm, D=10 mm
DS201-10	1	Support rod, round, L=100 mm, D=10 mm
DS400-3K	1	Bosshead cross-pattern, Demo, green
DM620-1K	1	Equilibrium wheel

Purpose

Simple demonstration of the three types of equilibrium: unstable, stable, indifferent

Preparation

Insert the 500 mm support rod into the sliding saddle of the claw base; afterwards mount a bosshead on top of the support rod as shown on the image.

Mount a 100 mm support rod horizontally in the bosshead.

Experiment

The equilibrium wheel is pushed onto the stand rod at its holes. Pay attention to the equilibrium.



Connect the statement with the correct state of equilibrium:

Is the centre of gravity (centre of the wheel)

- | | |
|--|--------------------|
| - above the bearing point the type of equilibrium is | unstable |
| - exactly the bearing point the type of equilibrium is | indifferent |
| - below the bearing point the type of equilibrium is | stable |

Note

Das Drehmoment der Gewichtskraft

- | | |
|--|--------------------|
| - dreht den Körper aus der Gleichgewichtslage heraus | labil |
| - ist Null | indifferent |
| - dreht den Körper in die Gleichgewichtslage zurück | stabil |