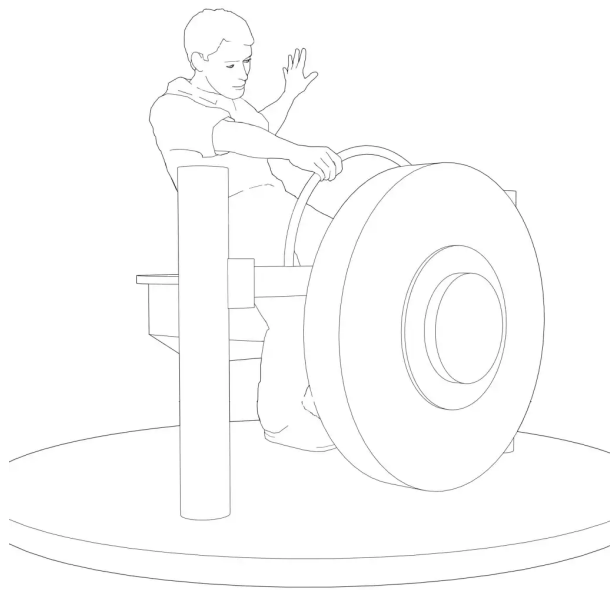


Rodeo Gyroscope

Do you manage to turn with the seat?



Sit on the seat and try leaning forwards and backwards.

What happens if you seesaw up and down?

Get off the seat and try pushing the whole apparatus around.

When you lean forward or back the gyroscope hardly tilts at all. Instead, it swivels to the left or to the right. When you try to push the apparatus around, the seat goes up or down depending on the rotational direction.

If you try to move the axis of a spinning object, the axis moves at right angles to the force you apply. This is called precession. The effect is particularly big with this gyroscope, because it is very heavy (90 kg) and spinning 10 times per second.