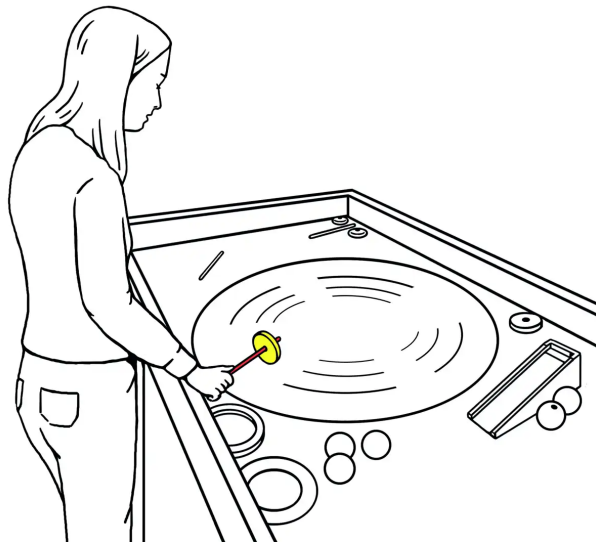


Turntable

Do you manage to roll a ball in a way that it stays on a spot?



Put the different balls, rings and discs on the spinning table.

What happens, if you roll the balls on the disk from the side?

Can you predict their direction?

Try to roll a ball in a way that it stays on a spot. Use the drilled ball and the wooden stick.

The balls can be thrown in different directions from the disk.

At the right speed the ball adjusts to the spinning table and stays on one spot.

The balls obey the law of preservation of angular momentum.

By the spinning of the table, the balls obtain an additional rotation.

This leads to an additional acceleration when the balls leave the spinning disk. The additional rotation gets stronger towards the edge of the spinning disk.