Arvind Gupta
Toys from Trash
www.arvindguptatoys.com/toys.html

- Step-by-Step Photo Guide
- Detailed Worksheet

See 1 minute video at:
http://www.youtube.com/watch?v=Z68Vj-OrxQU

EDDY CURRENT
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✅ Step-by-Step Photo Guide
✅ Detailed Worksheet

Strong Rare Earth Magnet Hung over Thick Aluminium Disk

Eddy Current Demonstration

Swinging Magnet comes to an Immediate Stop
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any other industrial applications.

"break" is used in speedometers and
magnet. This no-touch "magnetic
which impedes the motion of the
disk. This current produces a force
disk and produces current in the aluminum
produces the force magnetic
The magnet is strong magnetic.
It is because of "eddy current". The
down as it an invisible force is braking
reach the aluminum plate it will slow
disk in its place. As soon as magnet will
this way with the thick aluminum
5. Now swing the magnet again, pull
the metal washer.
2. Tie one end of the thread

Because of the friction,
they oscillations and gradually stop
ordinary pendulum. It will make a
the magnet will swing like in
will slow the magnet and leave it

1. You will need a 40-cm high wooden
wooden

A swing magnet goes past & thick aluminum plate it suddenly breaks!

Invisible Brake
Steel washer will slide fast on the aluminum plate.

Because of no eddy currents the steel washer will slide fast.

Looking steel washer.

Repeat this experiment with a similar.

Place the neodymium magnet at a slant.

Hold the aluminum plate.

Magnet (neodymium magnet) strong.

Steel washer same size.

Slow slide magnetic.