

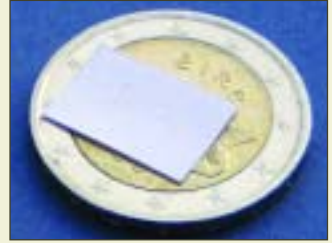
## Air race between identical pieces of paper

The Czech Republic

Air resistance has less effect on dense objects

### You will need...

- ✓ a coin
- ✓ two small pieces of paper (same weight and dimensions)



### Background

A skydiver relies on air resistance to allow him/her to fall through the air for several seconds before deploying a parachute.

### Follow these steps

- 1 Place a small piece of paper on a large coin.
- 2 Drop the coin and paper as well as an identical piece of paper at the same time.
- 3 Watch which piece of paper reaches the floor first.

### So what happened?

The paper on the coin reaches the floor first because it does not experience the slowing-down effect of air resistance as much as the piece of paper without the coin.

### What next?

This leads on neatly to a discussion of slipstream, coefficients of drag aerodynamics, etc.