“Falling with Style” Lab Report

The purpose of this lab was to first experimentally test the rate of the falling coffee filters. Then we modeled the behavior observed.

Materials used:

* Basket shaped coffee filters
* Meter stick
* Digital stop watch

First, we dropped a single filter (0.96g) 1 meter. We received the following results:

1.09 seconds

1.15 seconds

1.00 seconds

1.08 seconds

1.12 seconds

1.08 seconds

1.12 seconds

1.10 seconds

1.05 seconds

1.05 seconds

The average time was 1.09 seconds.

Then, we dropped a nested filters (3.70g) 1 meter. Our results were more consistent, so we performed fewer experiments. We received the following results:

0.63 seconds

0.61 seconds

0.65 seconds

0.63 seconds

0.63 seconds

The average time was 0.63 seconds.