

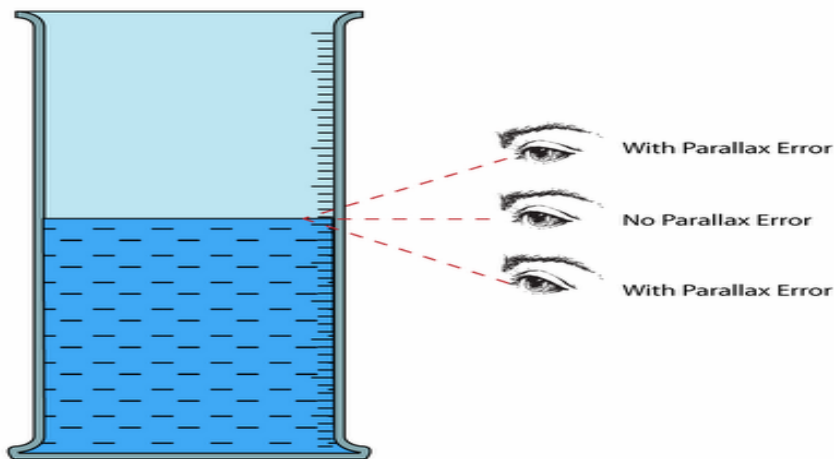
Sources of Error

1. Parallax...

...is an error caused by reading a scale from an incorrect position.

Parallax is reduced by standing directly in front of the scale you are reading.

Ex.



2. Systematic error...

...causes the same amount of error each time a measurement is taken.

Systematic error is reduced by fixing or replacing the instrument.

Ex.

3. Random error...

...causes a different amount of error each time a measurement is made.

Random error is reduced by taking more than one measurement and taking an average.

Ex.

Science 1206s**Uniform Motion Lab**

	t(s)	d(cm)
Title	0	
Purpose	0.1	
Materials	0.2	
Procedure	0.3	
Observations (Table of data) ----->	0.4	
Analysis (see below)	0.5	
Conclusion		
Sources of Error		

One copy only for each group.

Analysis (Put all working on your graphs.)

Make a ticker tape for the battery powered car.

1. Draw the distance-time graph for your data.
2. Use your distance-time graph to calculate your speed.
3. Draw the speed-time graph for your motion.
4. Use your speed-time graph to calculate the total distance travelled.



Everyone does # 1- 4.

