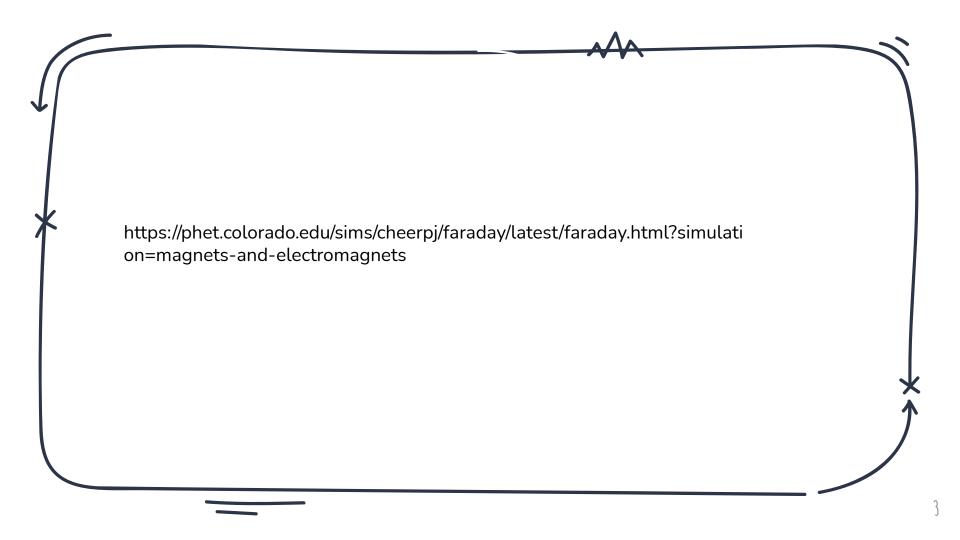


SETUP AND HYPOTHESIS

An increase in the number of loops in a DC current has a linear effect on the relative strength of the B force.

The experiment involved measuring the magnetic field after each successive addition of a loop and then fitting the the increase in magnetic field force to a linear model.





Magnetic force exerted at 1V B force in relation to loops 35 y = 7.5x $R^2 = 1$ 30 25 20 15 10 5 0 0.5 1.5 2.5 3.5 4.5

