			variable string lengt			Experiment 1: Values for plotting			
ass (g)	string length (cm)		time total (s)	period (s)		mass (kg)	time run 1 (s)	time run 2 (s)	
20	60.5	10°	15.28	1.528		20	1.528	1.544	
20	60.5	10°	15.44	1.544		70	1.547	1.537	
70	60.5	10°	15.47	1.547		120	1.537	1.544	
70	60.5	10°	15.37	1.537		170	1.522	1.537	
120			15.37			220			
120			15.44			270			
170			15.22						
170			15.37						
220			15.32						
220			15.35						
270			15.09						
270	60.5	10	15.28	1.528					
	Evnorime	ent 2: Variable	string longth			Evporimor	nt 2: Values for	plotting	
/ - \						•		_	
ass (g)	string length (cm)		time total (s)	period (s)		string length (m)			
65			5.53			0.0775			
65			5.63			0.155			
65			7.51			0.31	1.043		
65			7.59			0.62			
65	31	10°	10.43	1.043		1.24	2.056	2.056	
65	31	10°	10.53	1.053					
65	62	10°	14.5	1.45					
65	62	10°	14.63	1.463					
65	124	10°	20.56	2.056					
65	124	10°	20.56	2.056					
Evno	rimant 2: Variable m	ass by kooning	t the chang and strip	g longth		Evnorimor	at 2: Values for	plotting	
ass (g)	Experiment 3: Variable mass by keeping the shape and string length g) string length (cm) amplitude time total (s) period (s)					Experiment 3: Values for plotting mass (g) time run 1 (s) time run 2 (s)			
ass (g) 65		10°	14.5			65			
65		10°	14.63			6	1.435	1.447	
6		10°	14.35						
6	62	10°	14.47	1.447					
							1	i	

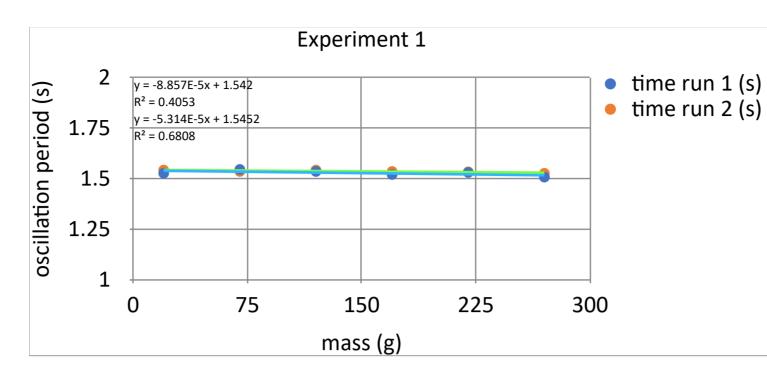


Fig 2. Oscillation period of a simple pendulum under variable bob masses

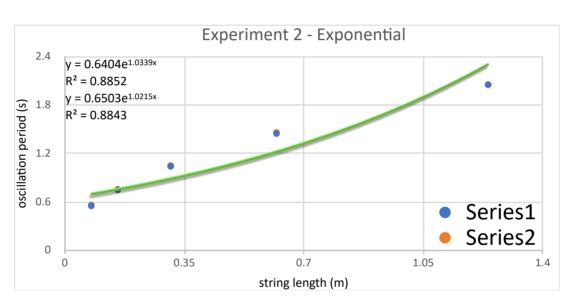


Fig 3. Oscillation period of a simple pendulum under variable string lengths, exponential trend line

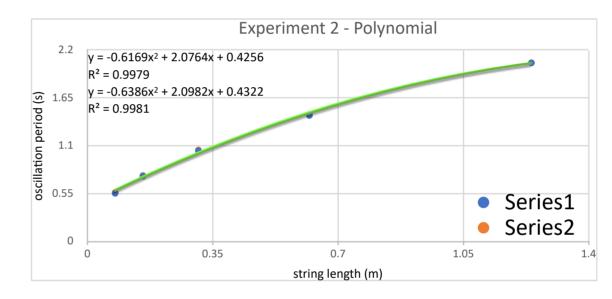


Fig 4. Oscillation period of a simple pendulum under variable string lengths, polynomial trend line

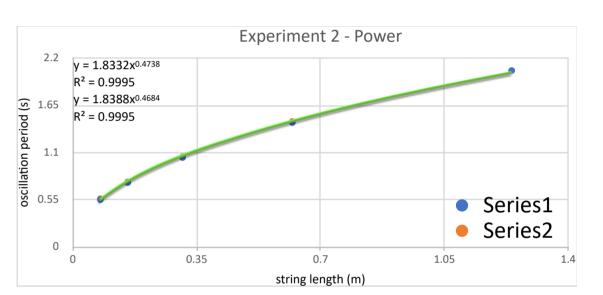


Fig 5. Oscillation period of a simple pendulum under variable string lengths, power trend line

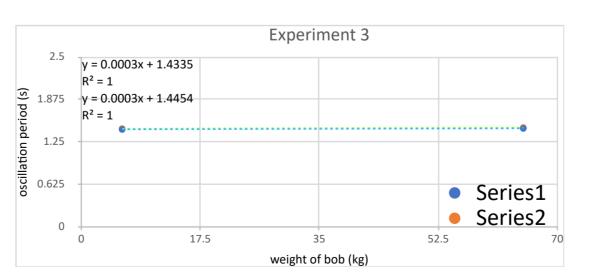


Fig 6. Oscillation period of a simple pendulum under variable mass and constant shape