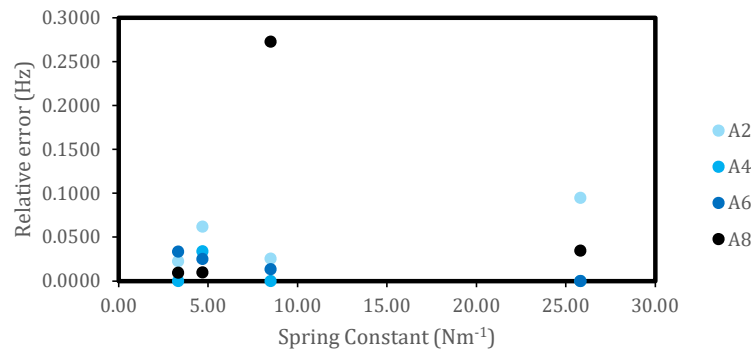
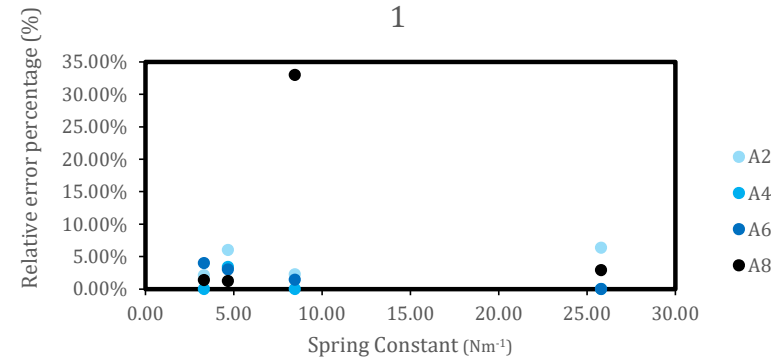


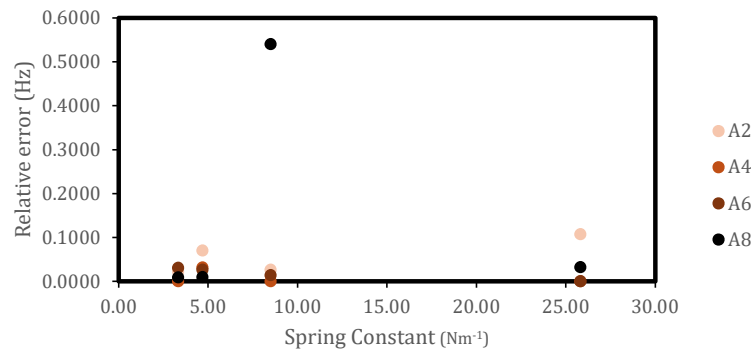
Relative error against the spring constant for pendulum with 2,4,6,8 arms-Trial 1



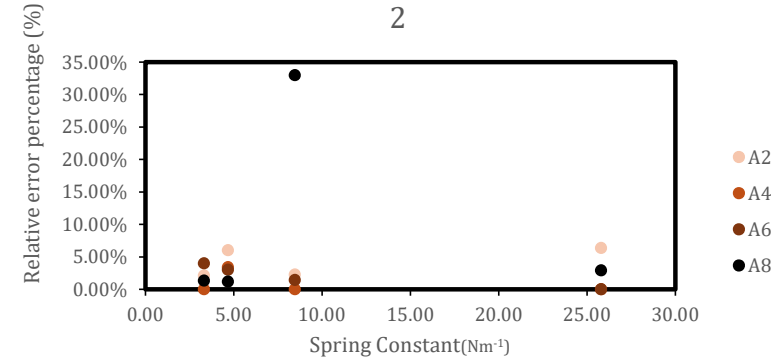
Relative error percentage against the spring constant for pendulum with 2,4,6,8 arms-Trial 1



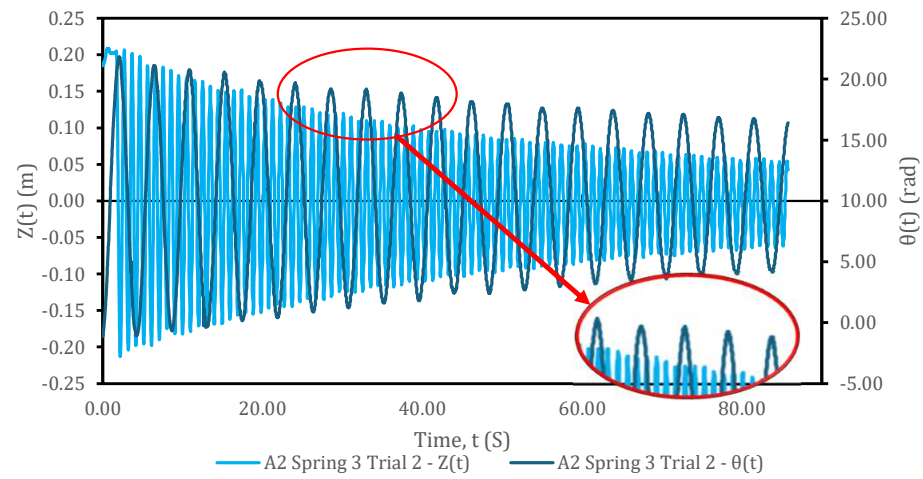
Relative error against the spring constant for pendulum with 2,4,6,8 arms-Trial 2



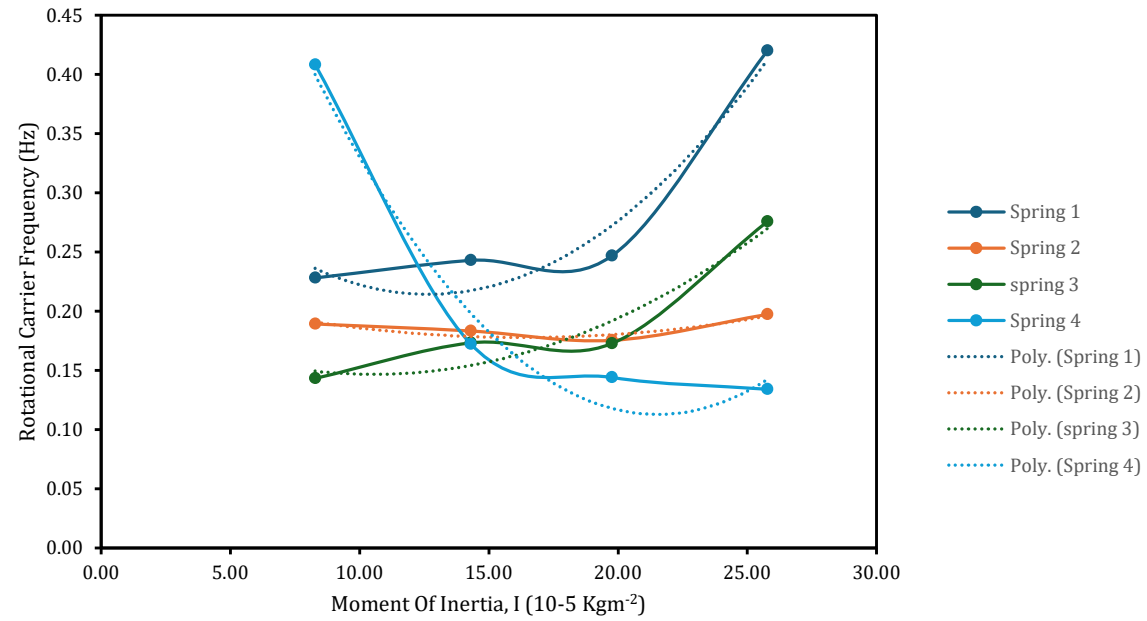
Relative error percentage against the spring constant for pendulum with 2,4,6,8 arms-Trial 2



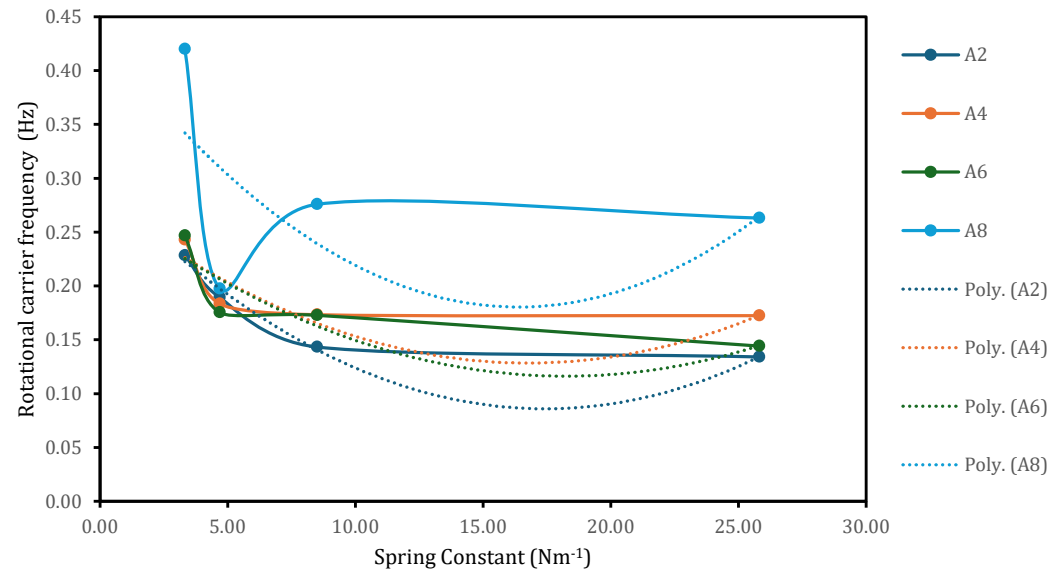
Graph of motion of the Wilberforce Pendulum with 2 arms under spring 1 - Trial 2



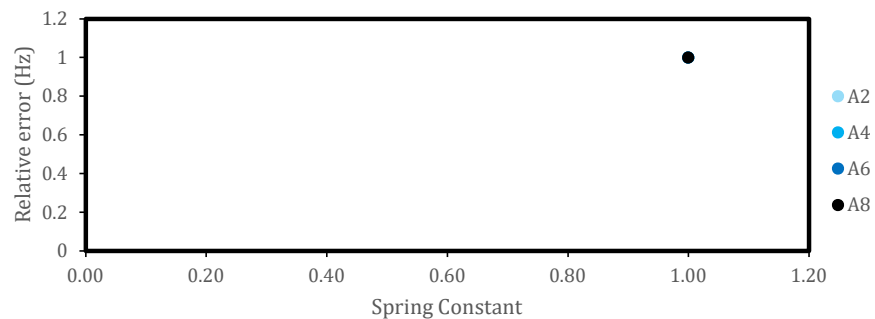
Rotational carrier frequency of the Wilberforce pendulum against the moment of inertia



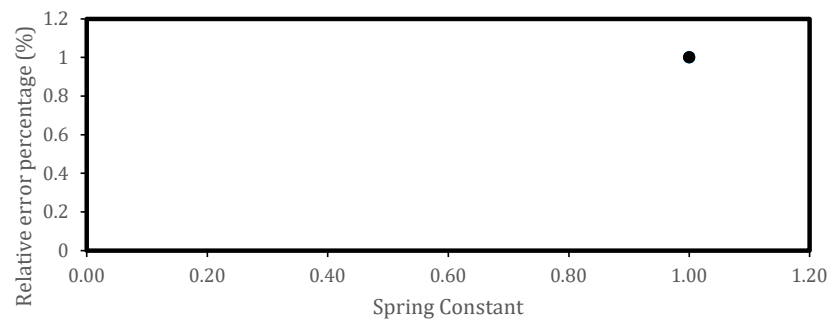
Rotational carrier frequency of the Wilberforce pendulum against the moment of inertia



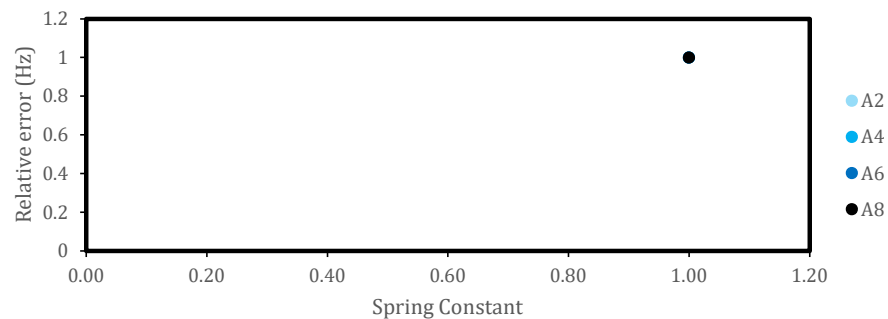
Relative error against the spring constant for pendulum  
with 2,4,6,8 arms of the rotational carrier frequency-  
Trial 1



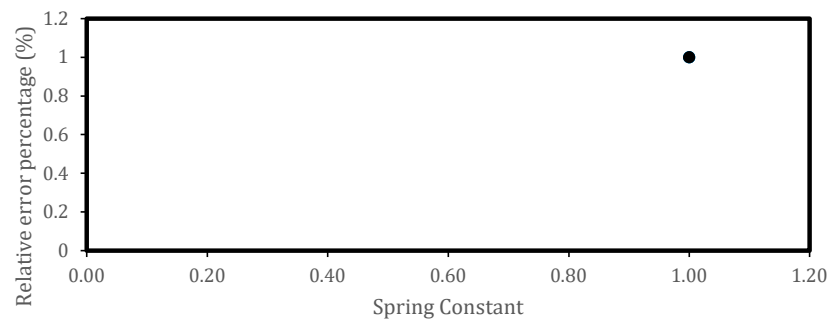
Relative error percentage against the spring constant  
for pendulum with 2,4,6,8 arms of the rotational carrier  
frequency-Trial 1



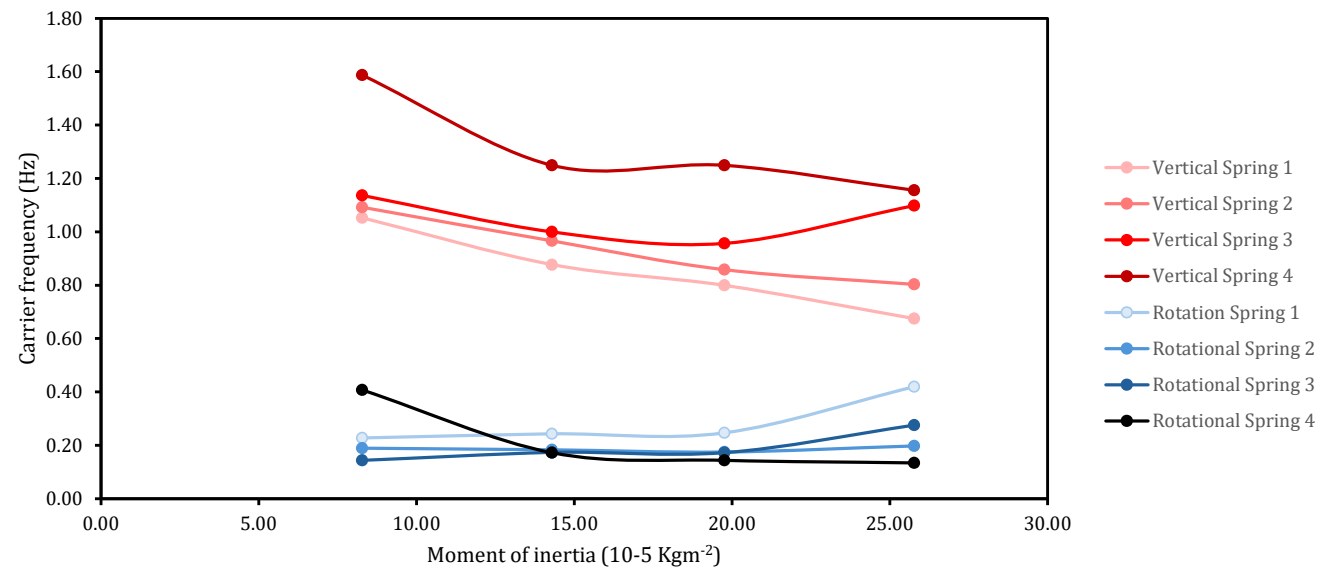
Relative error against the spring constant for pendulum  
with 2,4,6,8 arms of the rotational carrier frequency-  
Trial 2

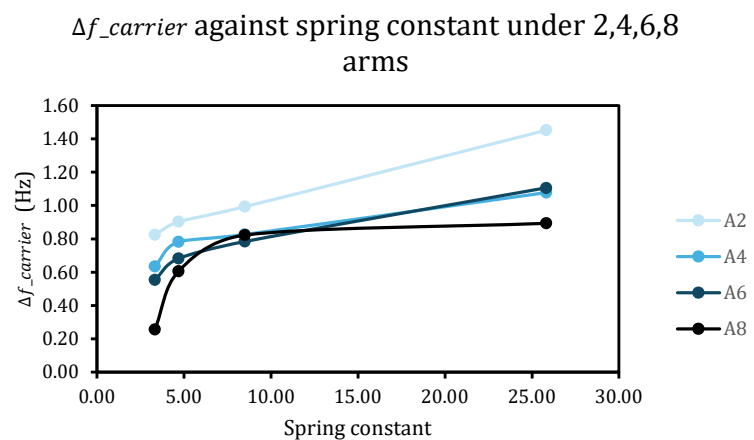
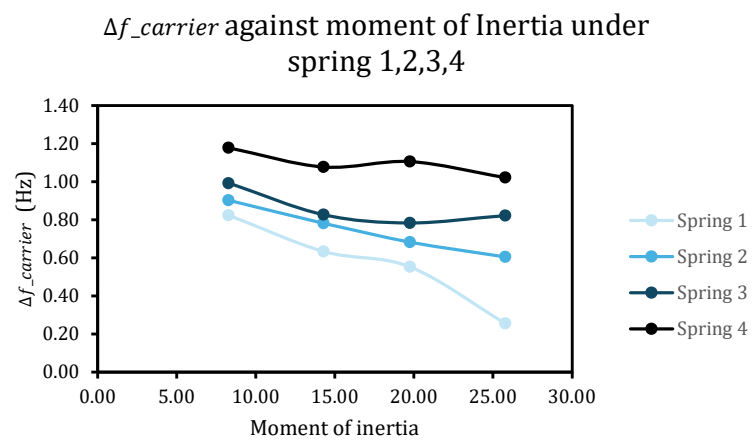


Relative error percentage against the spring constant  
for pendulum with 2,4,6,8 arms of the rotational carrier  
frequency-Trial 2



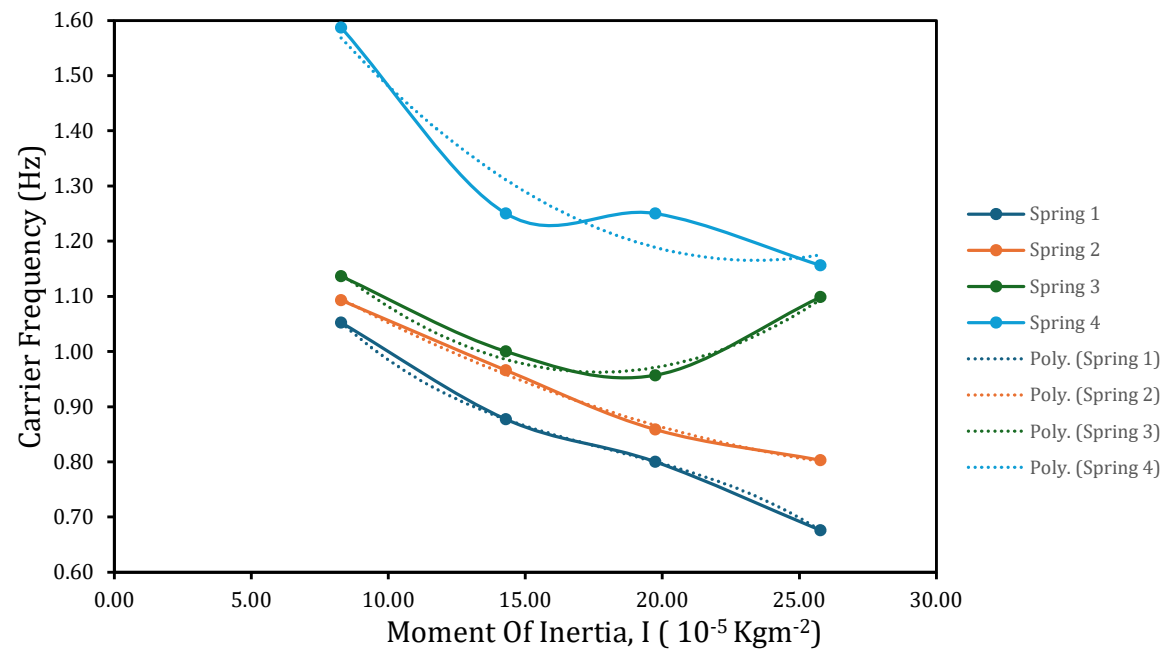
Graph of the vertical and rotational carrier frequency against moment of inertia of the wilberforce pendulum under spring 1,2,3,4.





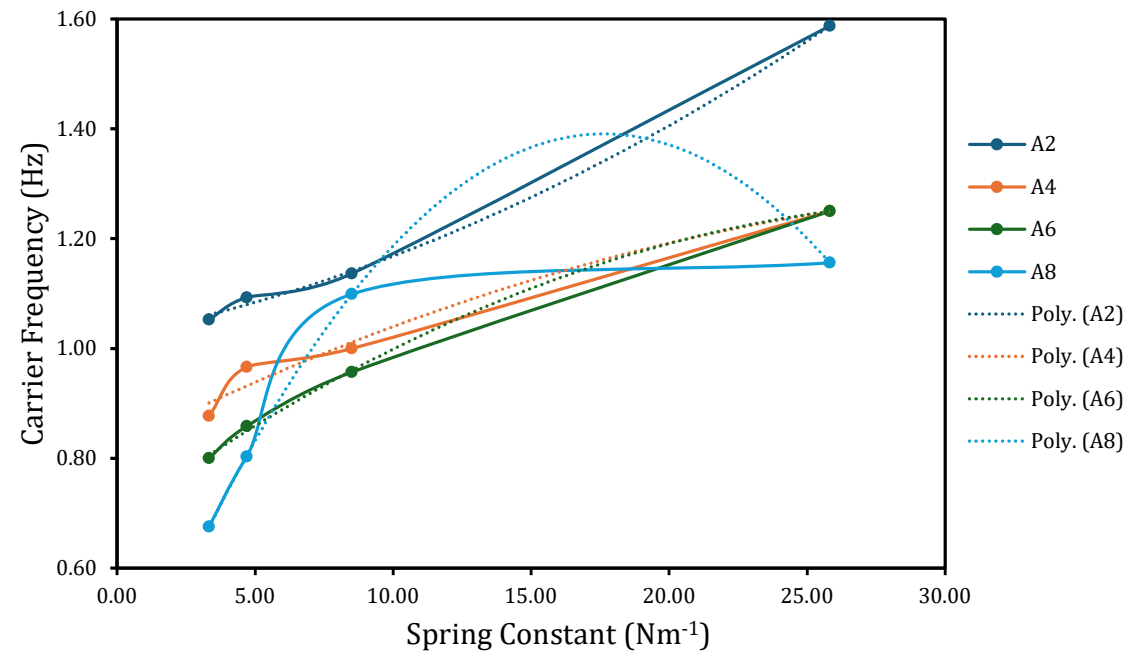
$\Delta f_{carrier}$

Carrier Frequency of the Wilberforce pendulum system against Moment of Inertia of the Wilberforce Pendulum



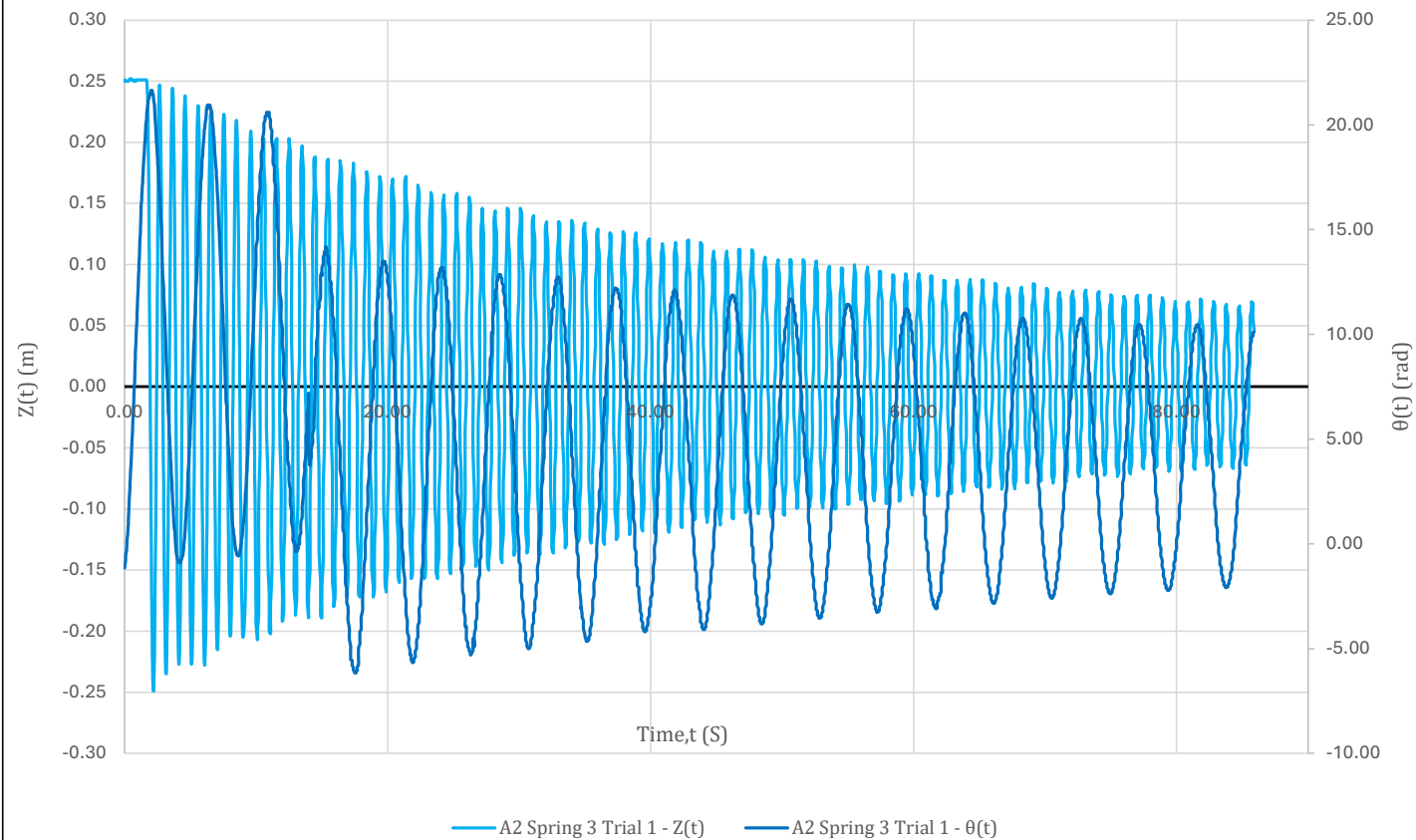


Carrier Frequency of the Wilberforce pendulum system against Spring constant of the helical spring

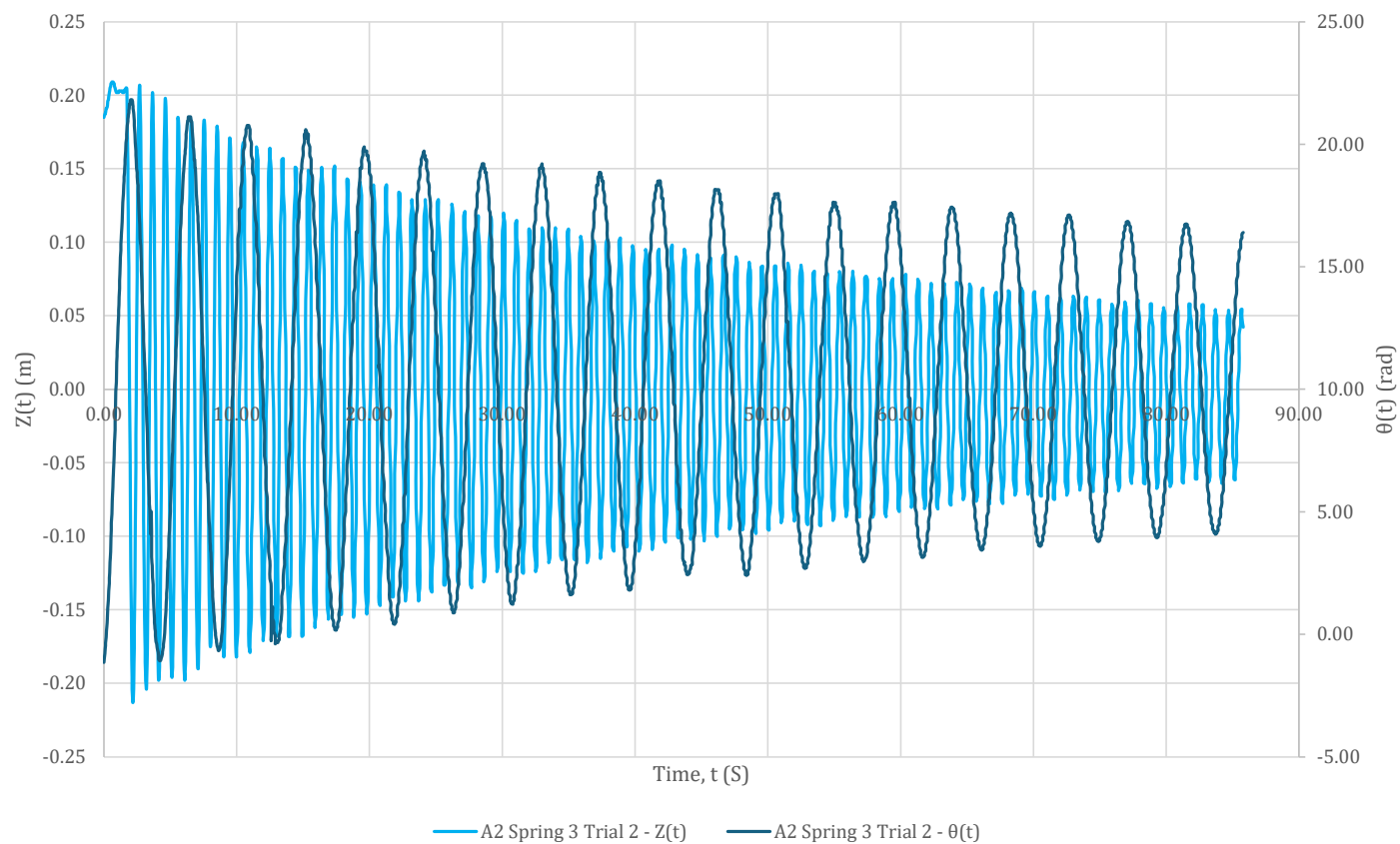


A2  
Spring 1

Graph of motions of the Wilberforce Pendulum with 2 arms under spring 1 - Trial 1

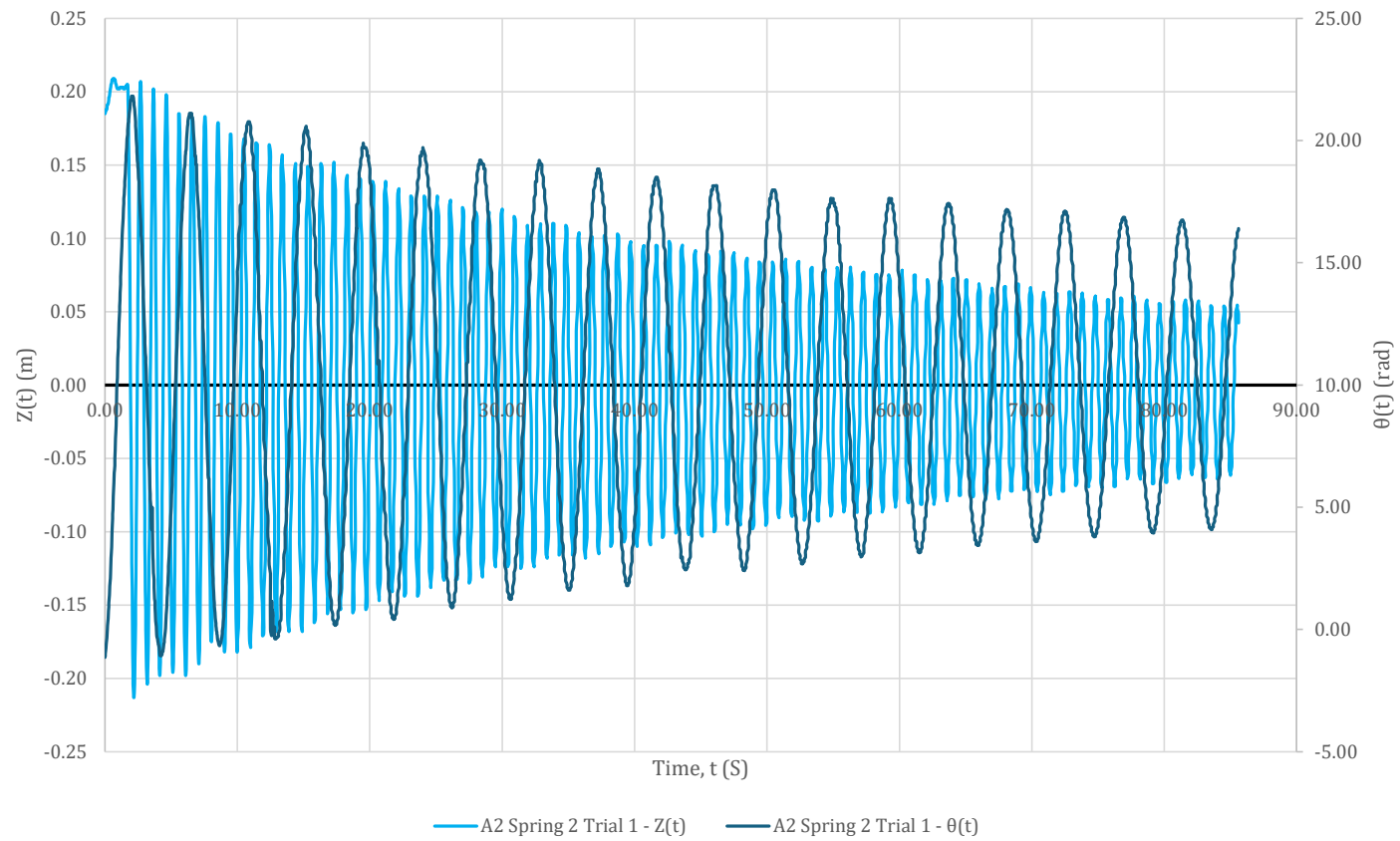


Graph of motion of the Wilberforce Pendulum with 2 arms under spring 1 - Trial 2



A2  
Spring 2

Graph of motion of the Wilberforce pendulum with 2 arms under spring 2 - Trial 1



A2

Spring 2

Trial 2

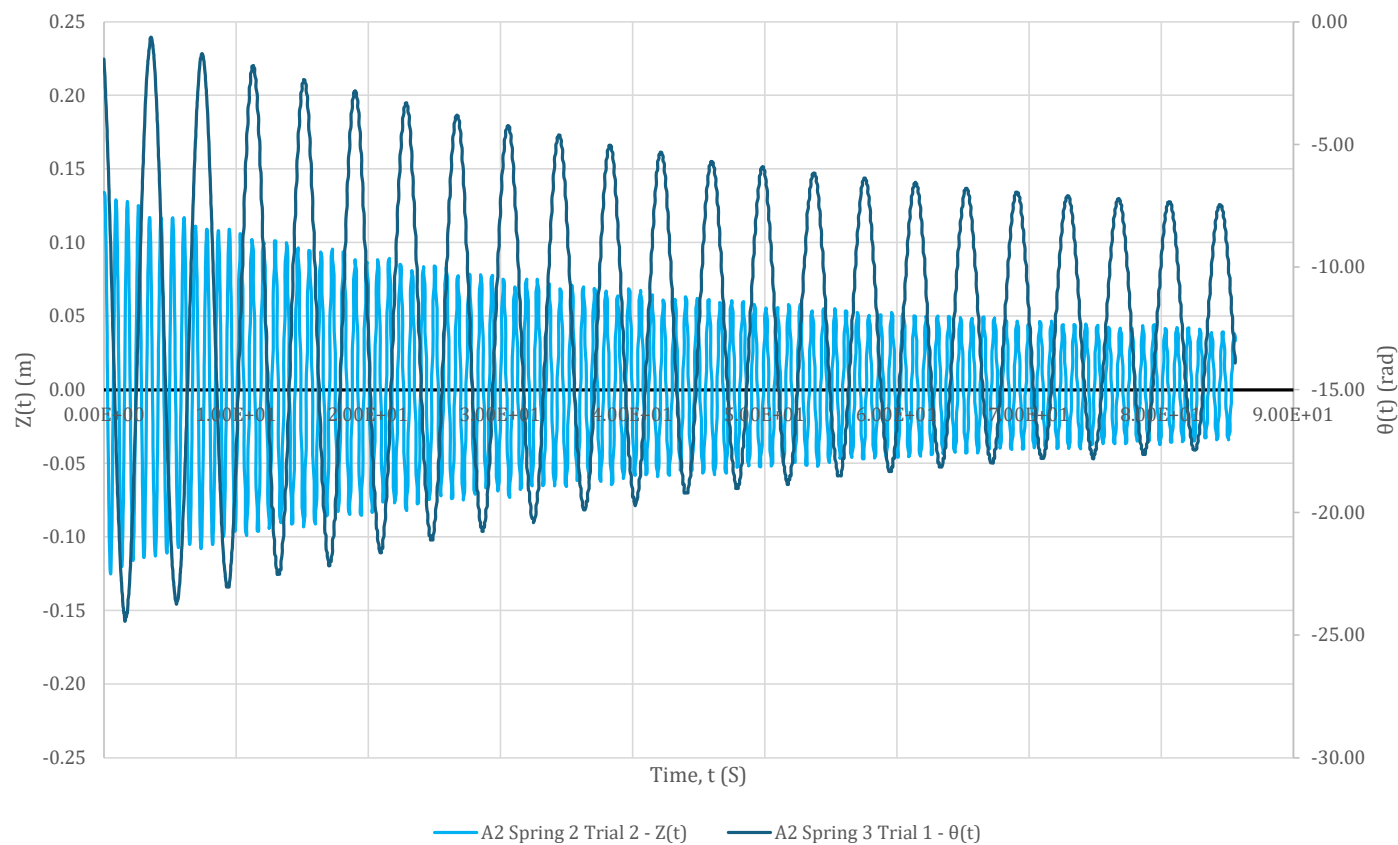
Uncomplete data

Fail to form graph

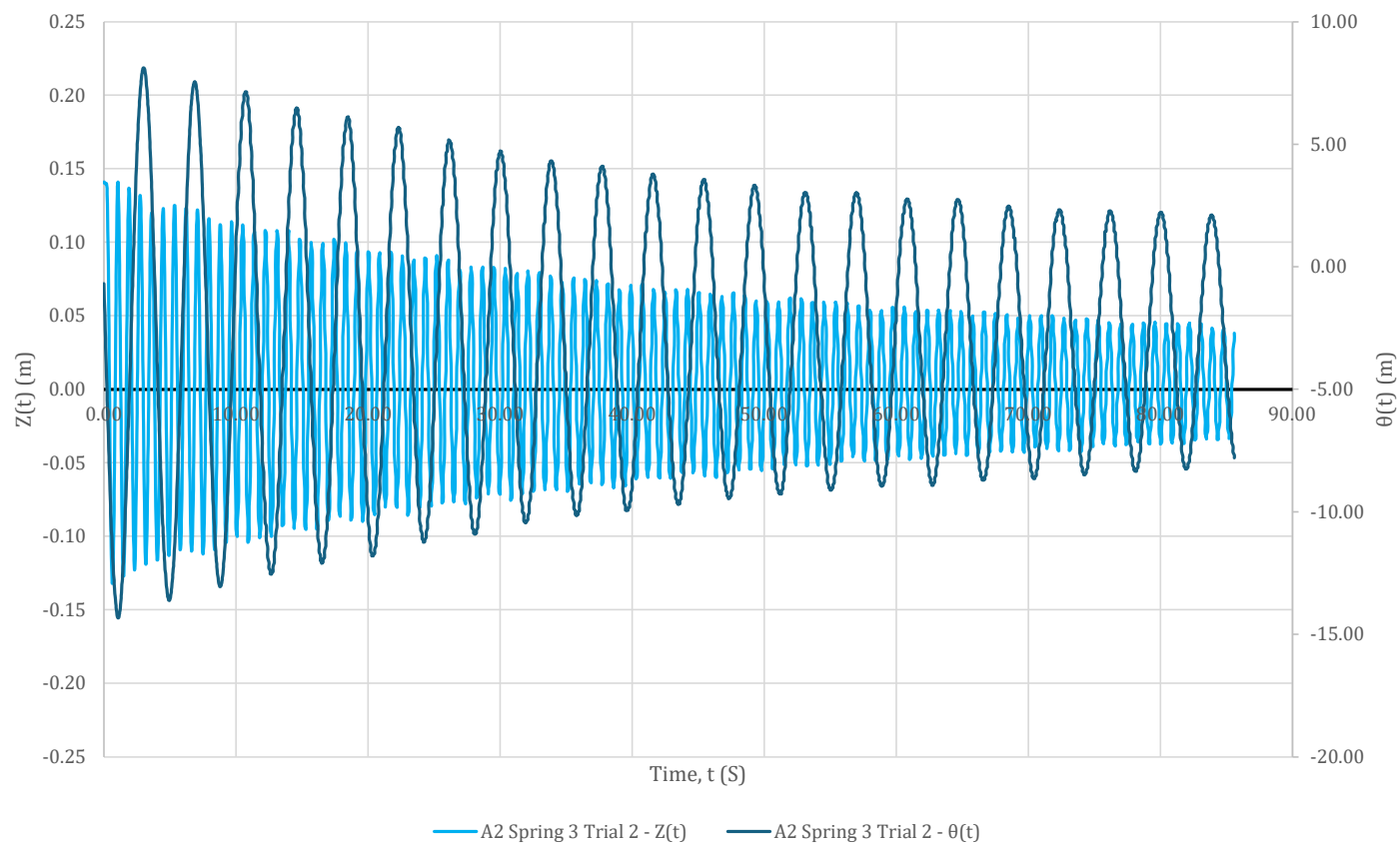
A2  
Spring 3



Graph of motion of the Wilberforce pendulum with 2 arms under spring 3 – Trial 1

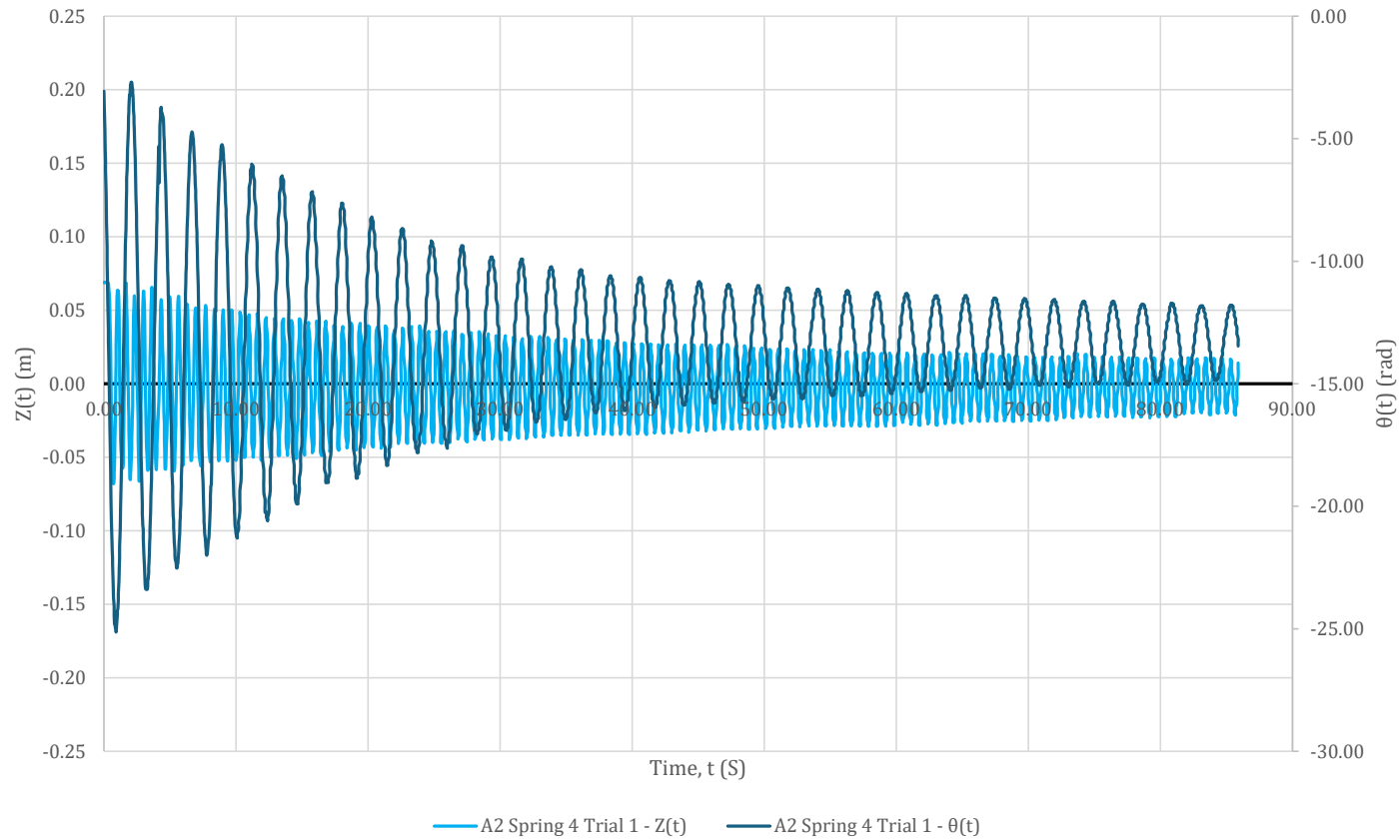


Graph of motion of the Wilberforce pendulum with 2 arms under spring 3 - Trial 2

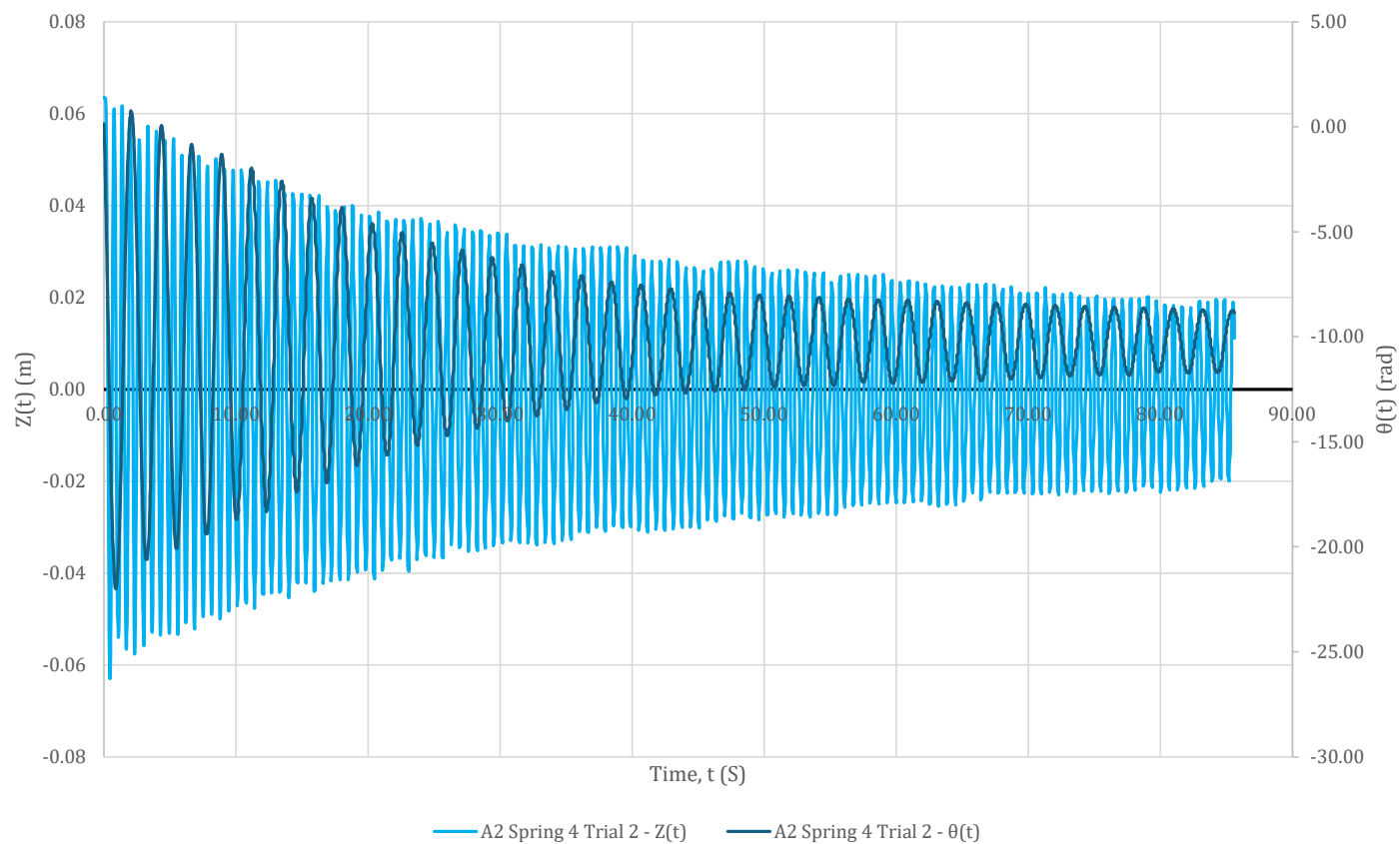


A2  
Spring 4

Graph of motion of the Wilberforce pendulum with 2 arm under spring 4 – Trial 1



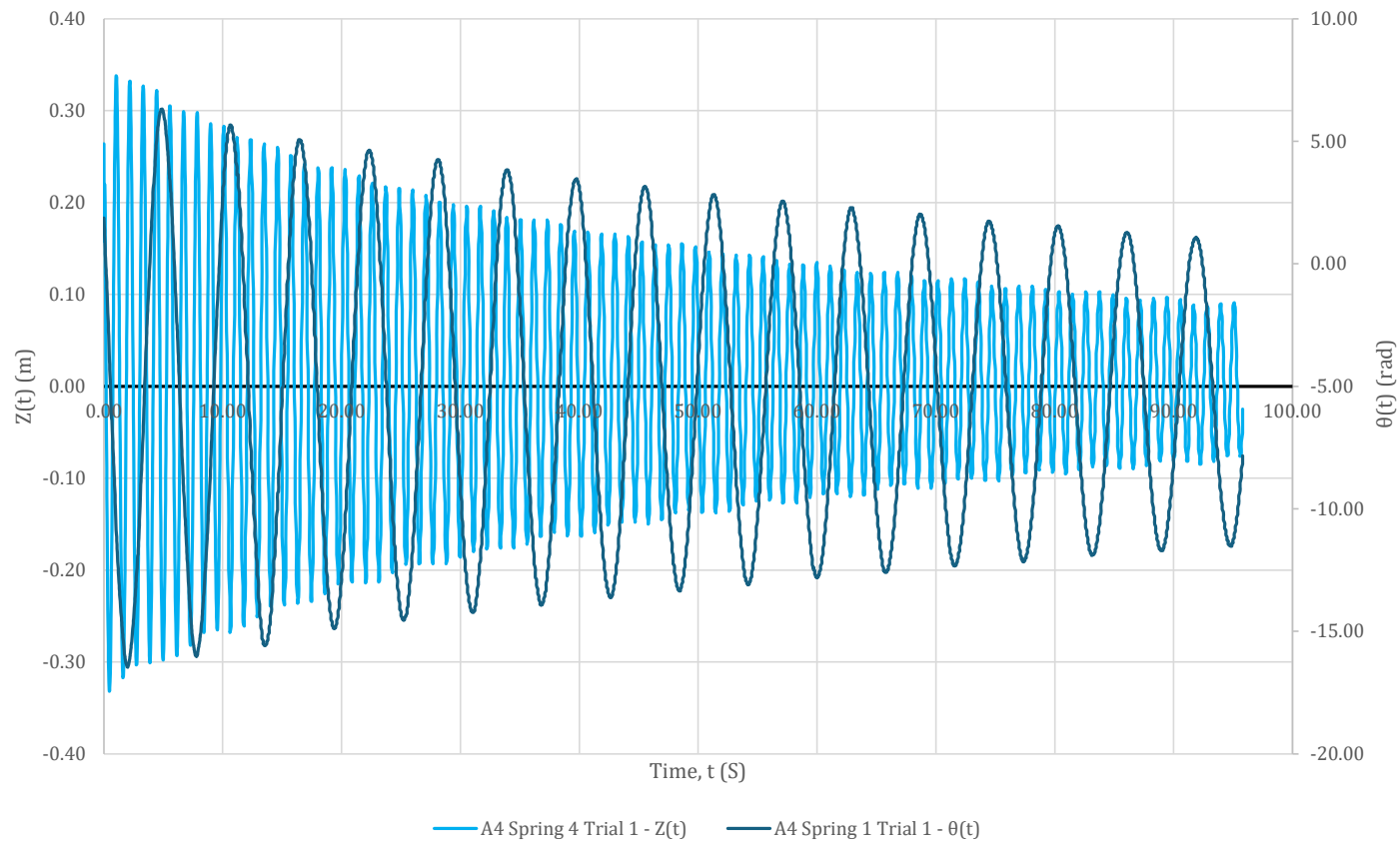
Graph of motion of the Wilberforce pendulum with 2 arm under spring 4 - Trial 2



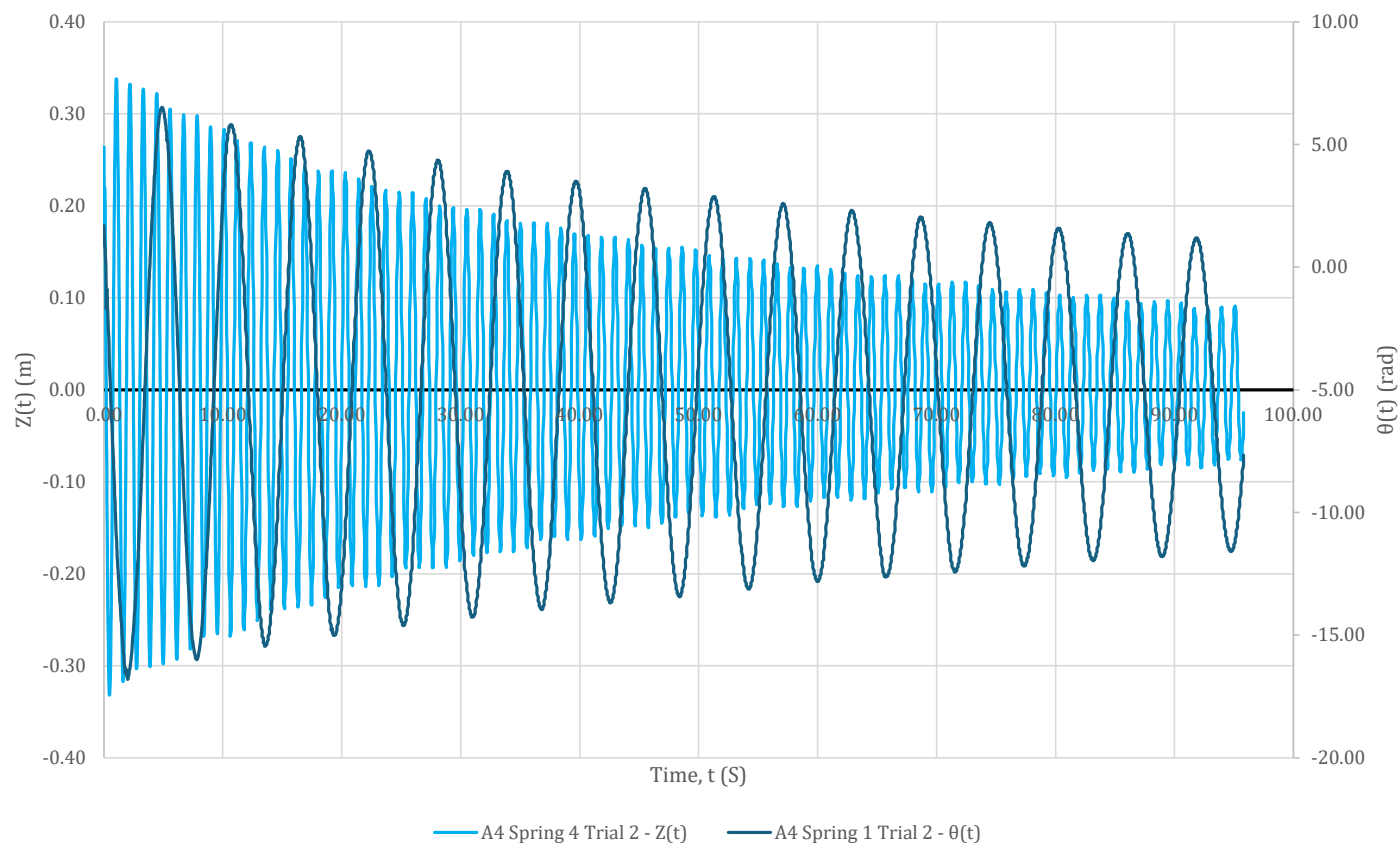
# A4

## Spring 1

Graph of motion of the Wilberforce pendulum with 4 arms under spring 1 – Trial 1



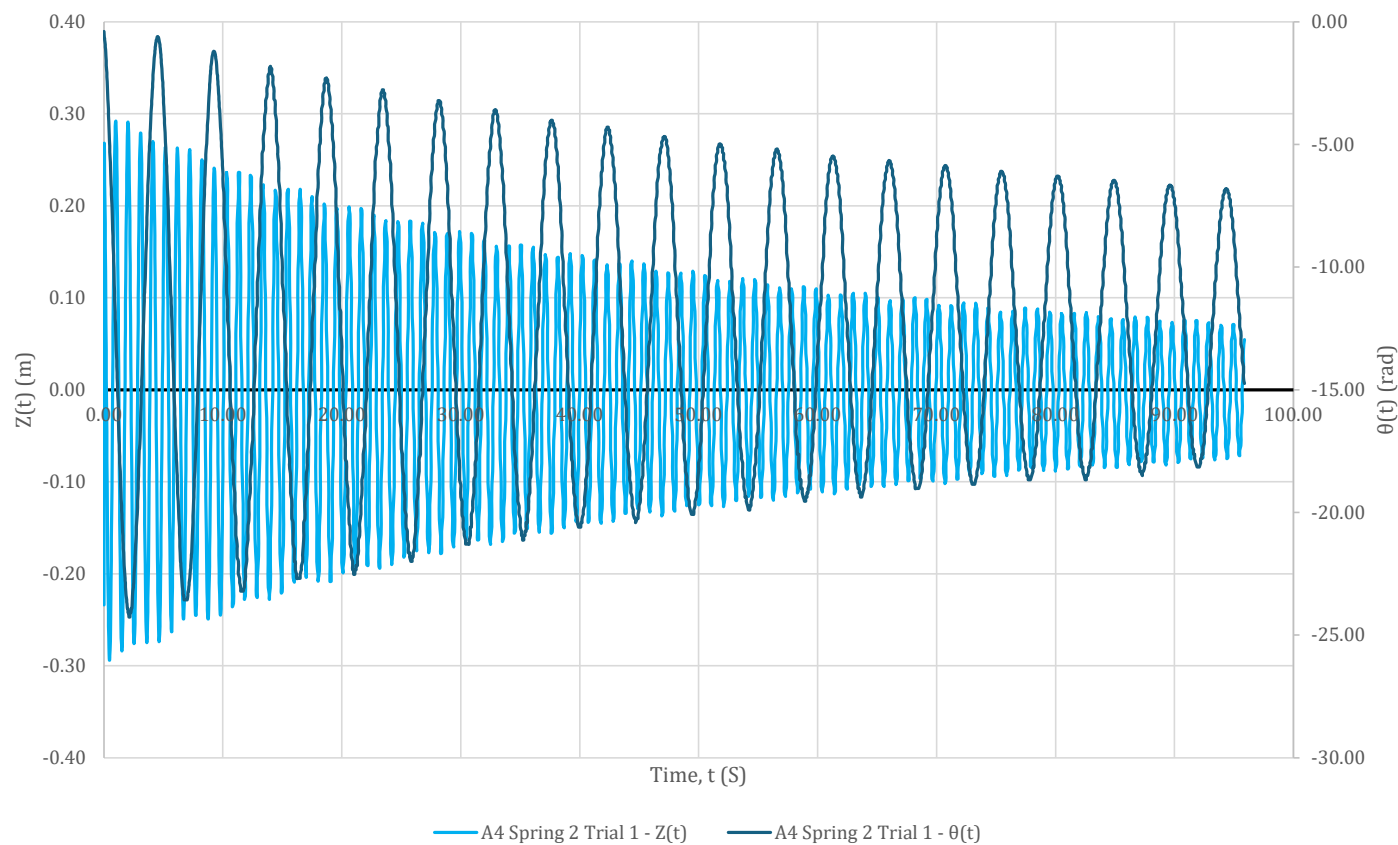
Graph of motion of the Wilberforce pendulum with 4 arms under spring 1



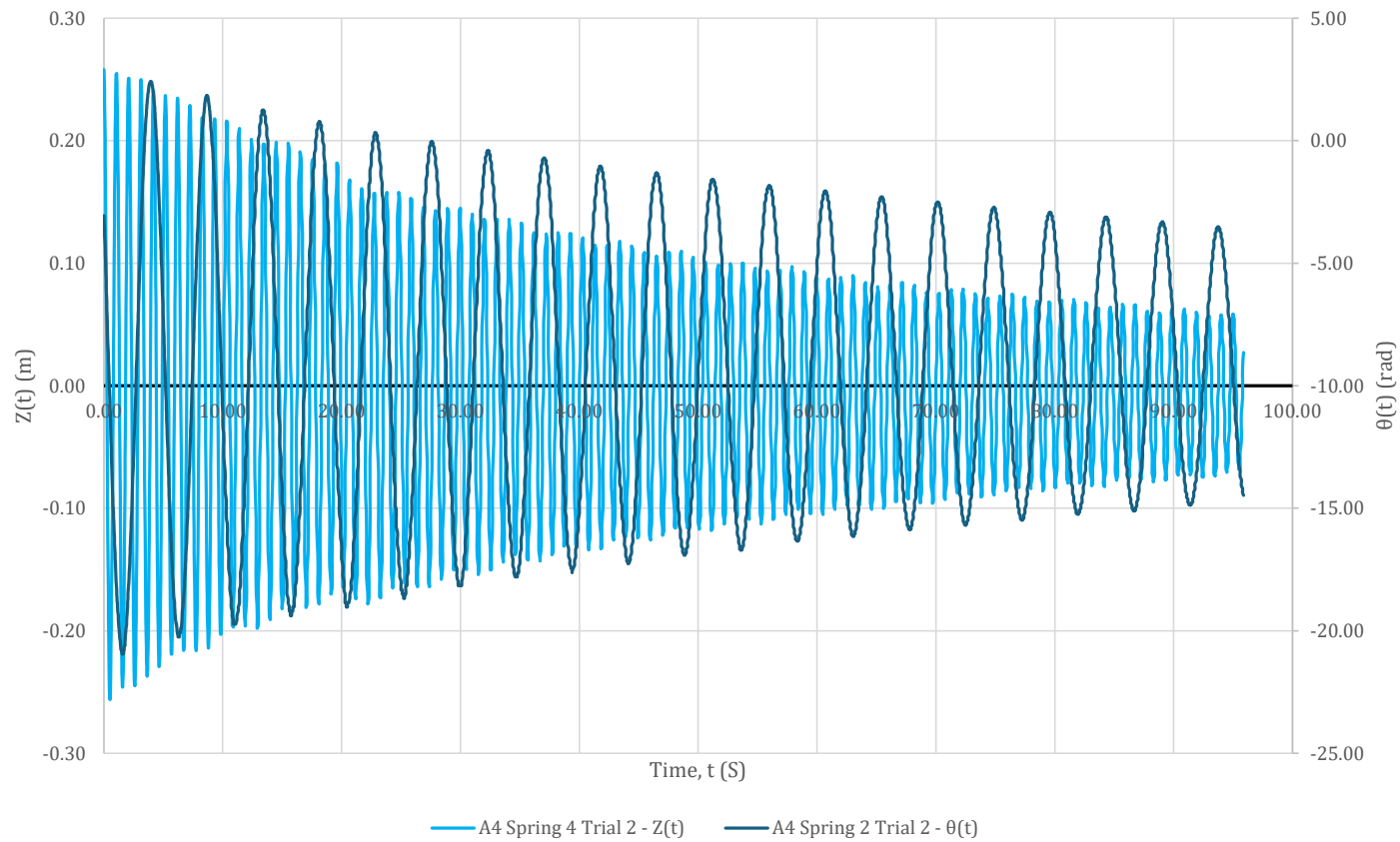


A4  
Spring 2

Graph of motion of the Wilberforce Pendulum with 4 arms under spring 2 - Trial 1

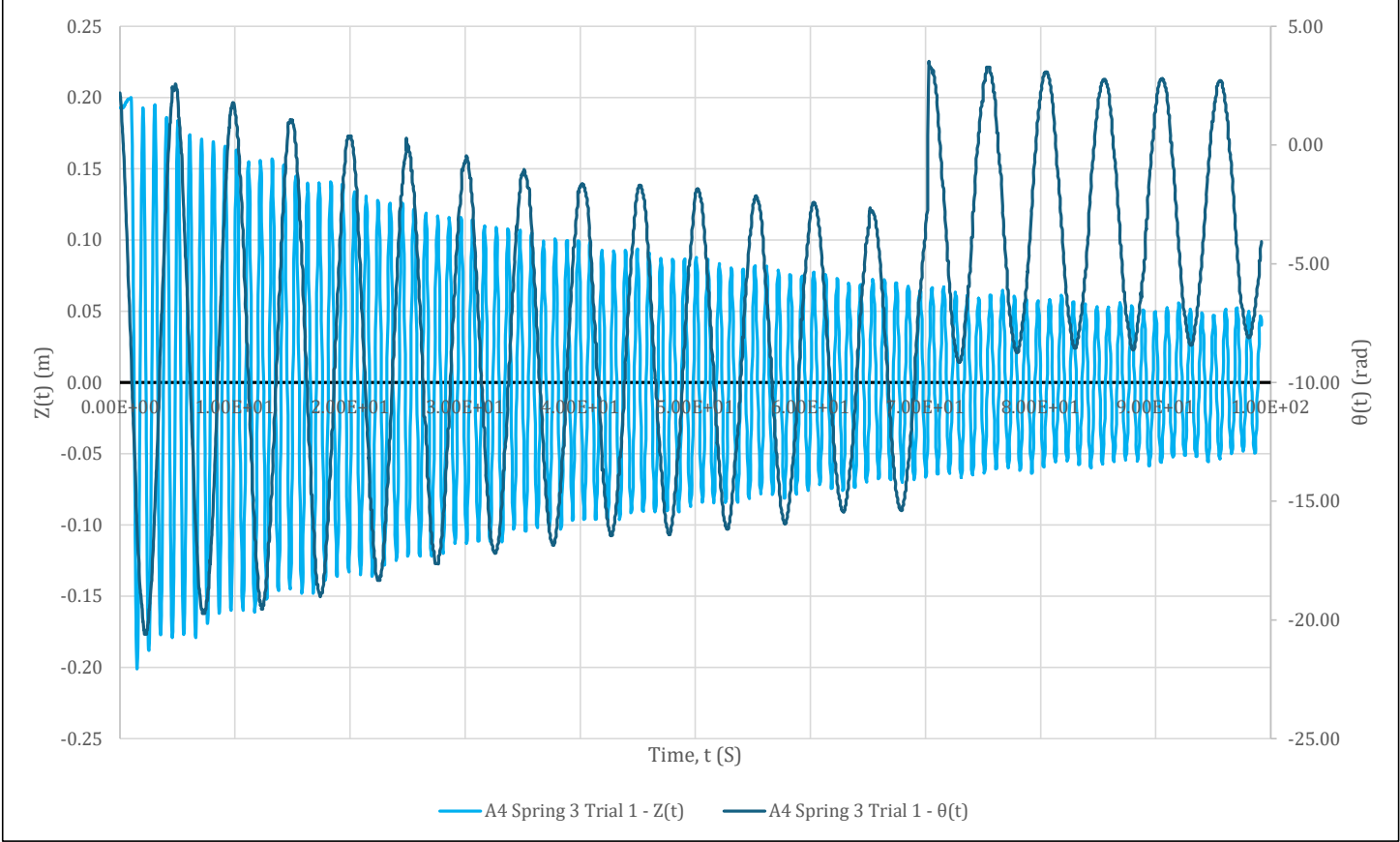


Graph of motion of the Wilberforce Pendulum with 4 arms under spring 2 - Trial 2

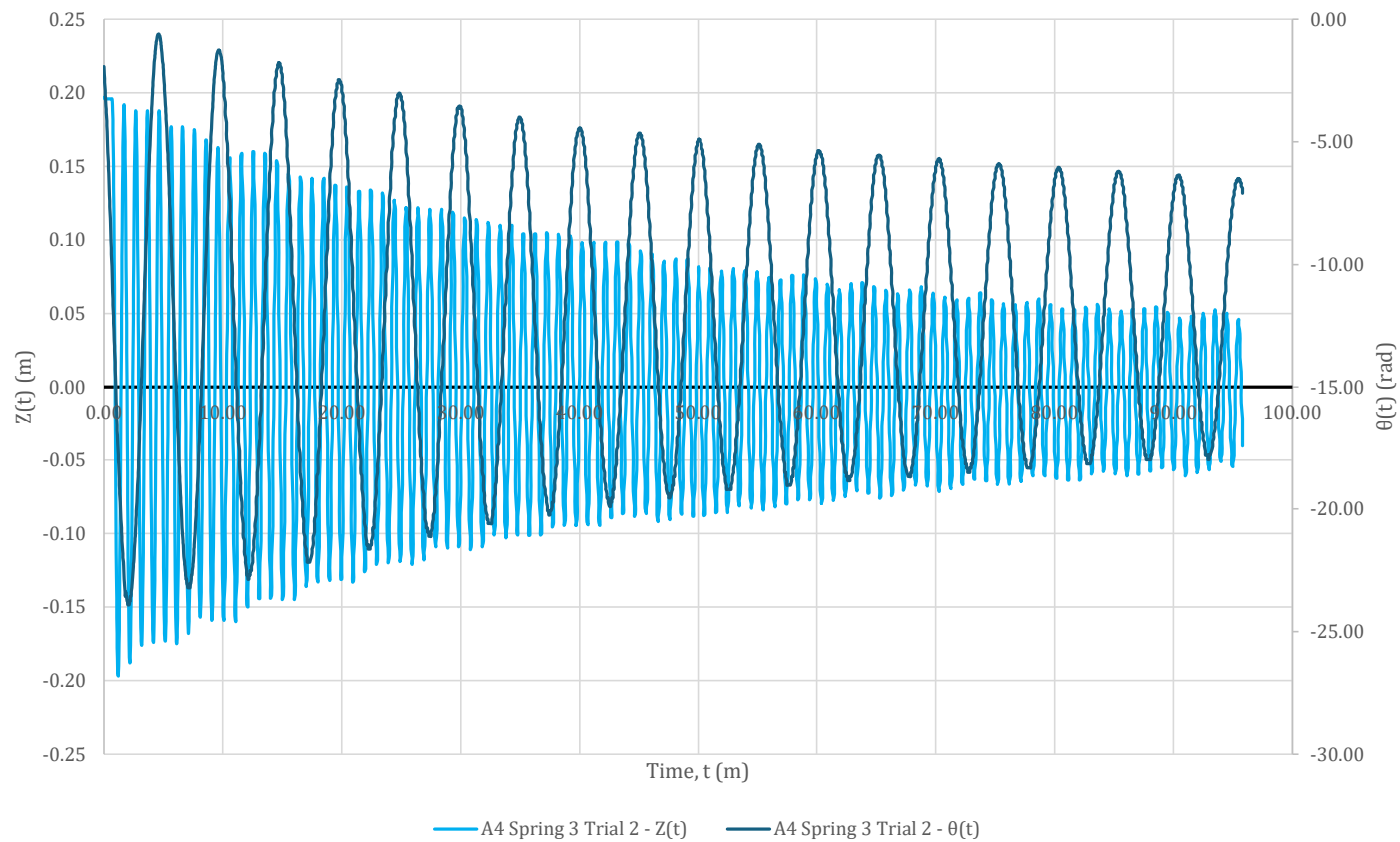


A4  
Spring 3

Graph of motion of the Wilberforce pendulum with 4 arms under spring 3 - Trial 1

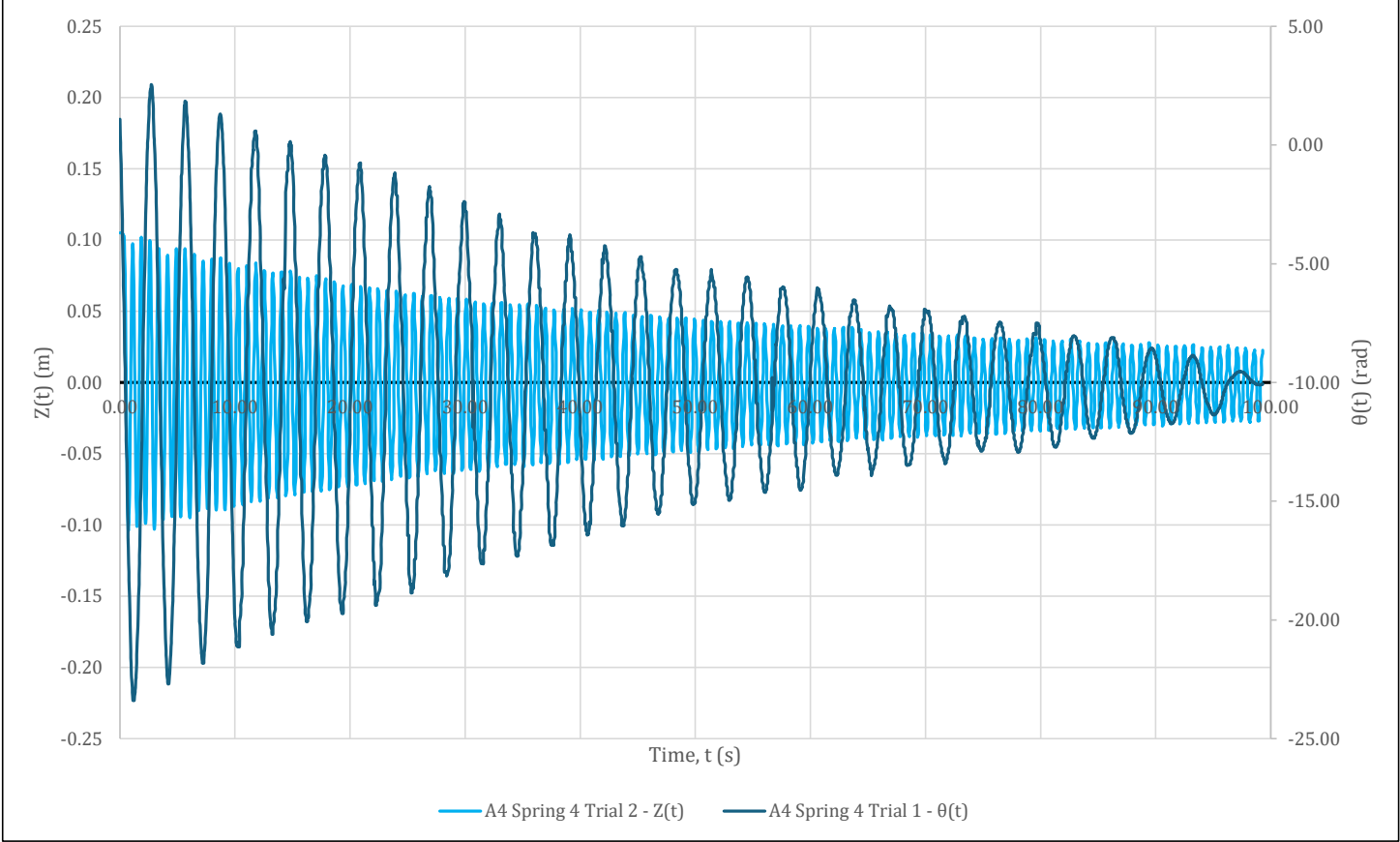


Graph of motion of the Wilberforce pendulum with 3 arms under spring 4 - Trial 2



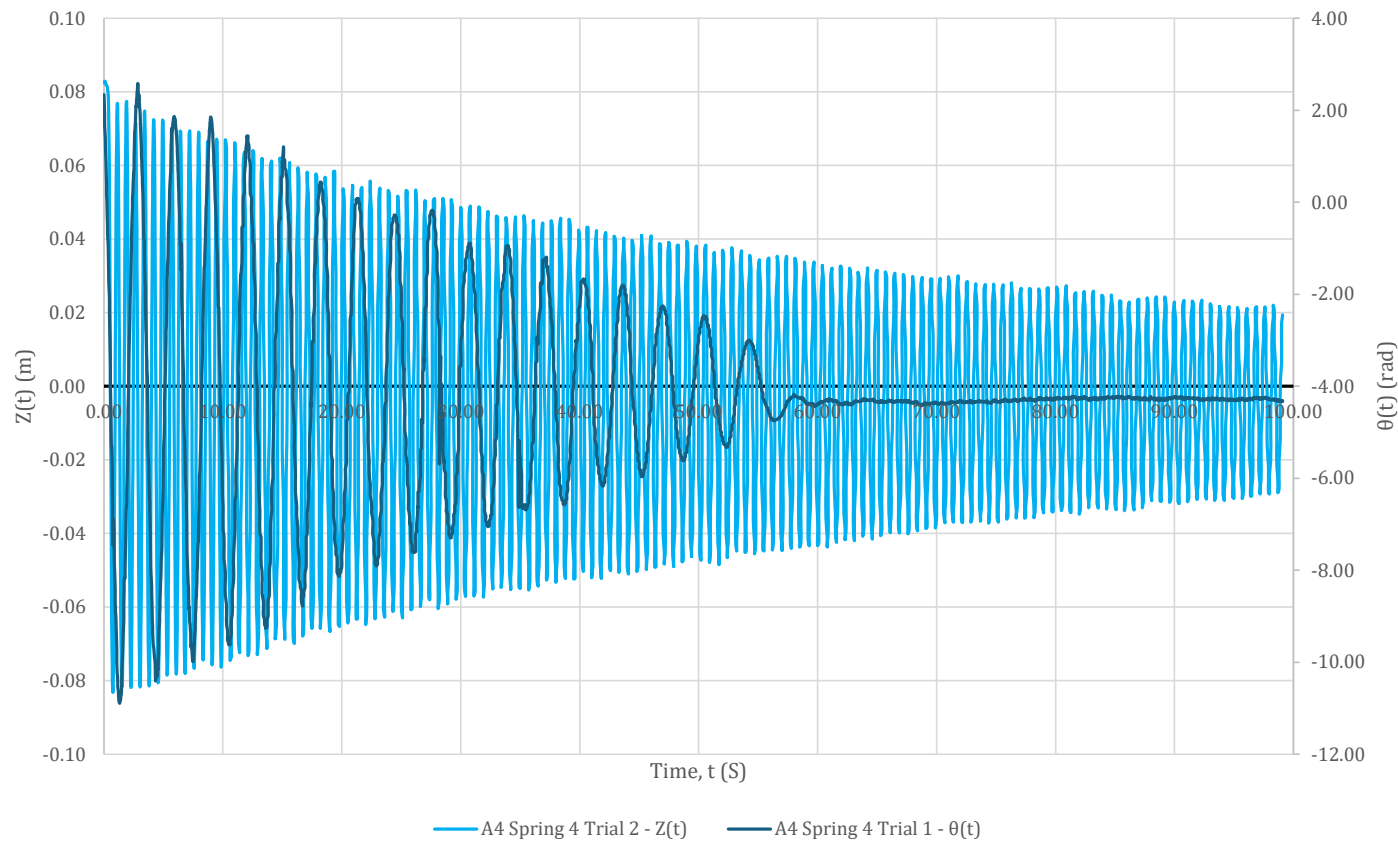
A4  
Spring 4

Graph of motion of the Wilberforce pendulum with 4 arms under spring 4 - Trial 1



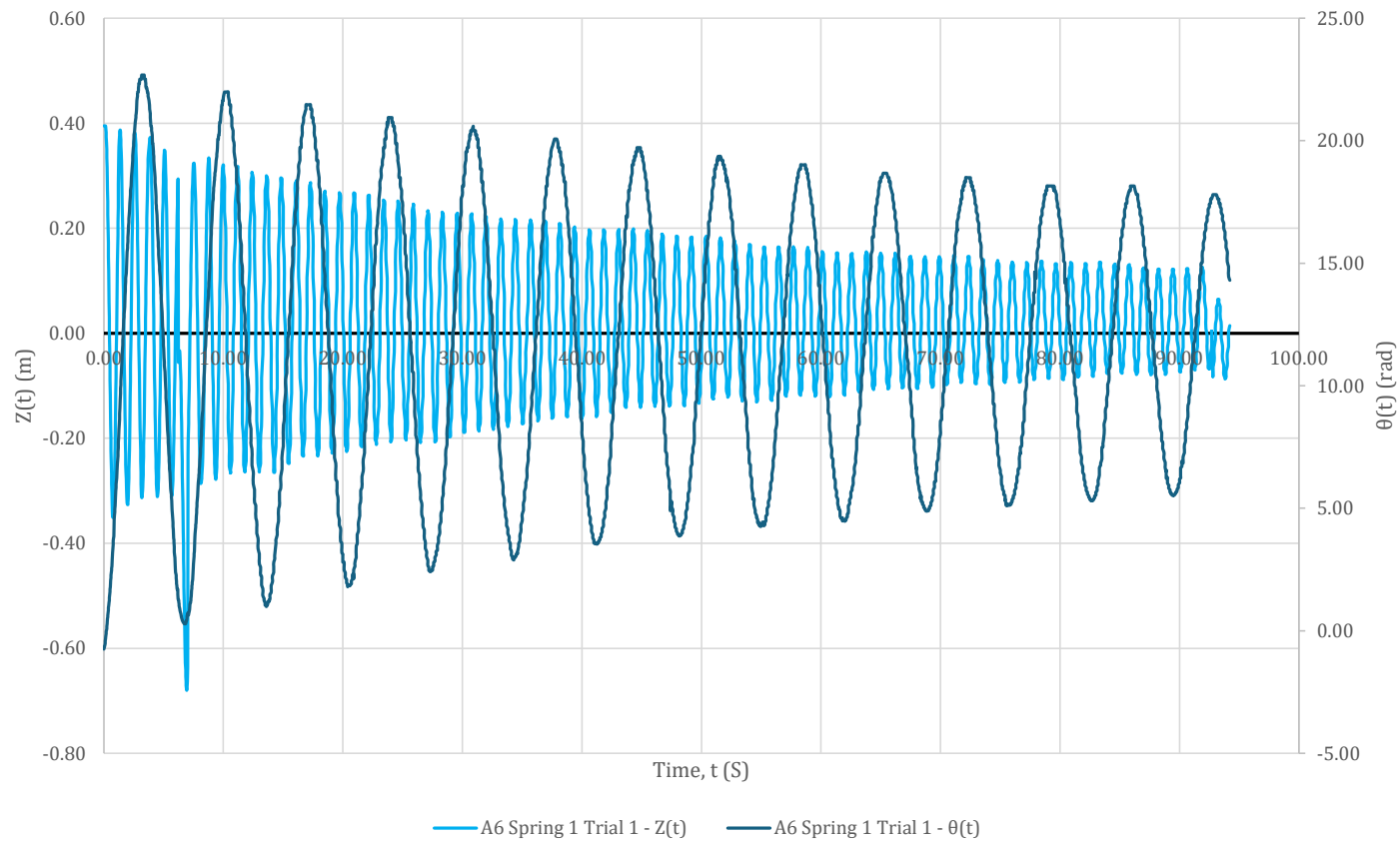


Graph of motion of the Wilberforce pendulum with 4 arms under spring 4 – Trial 2

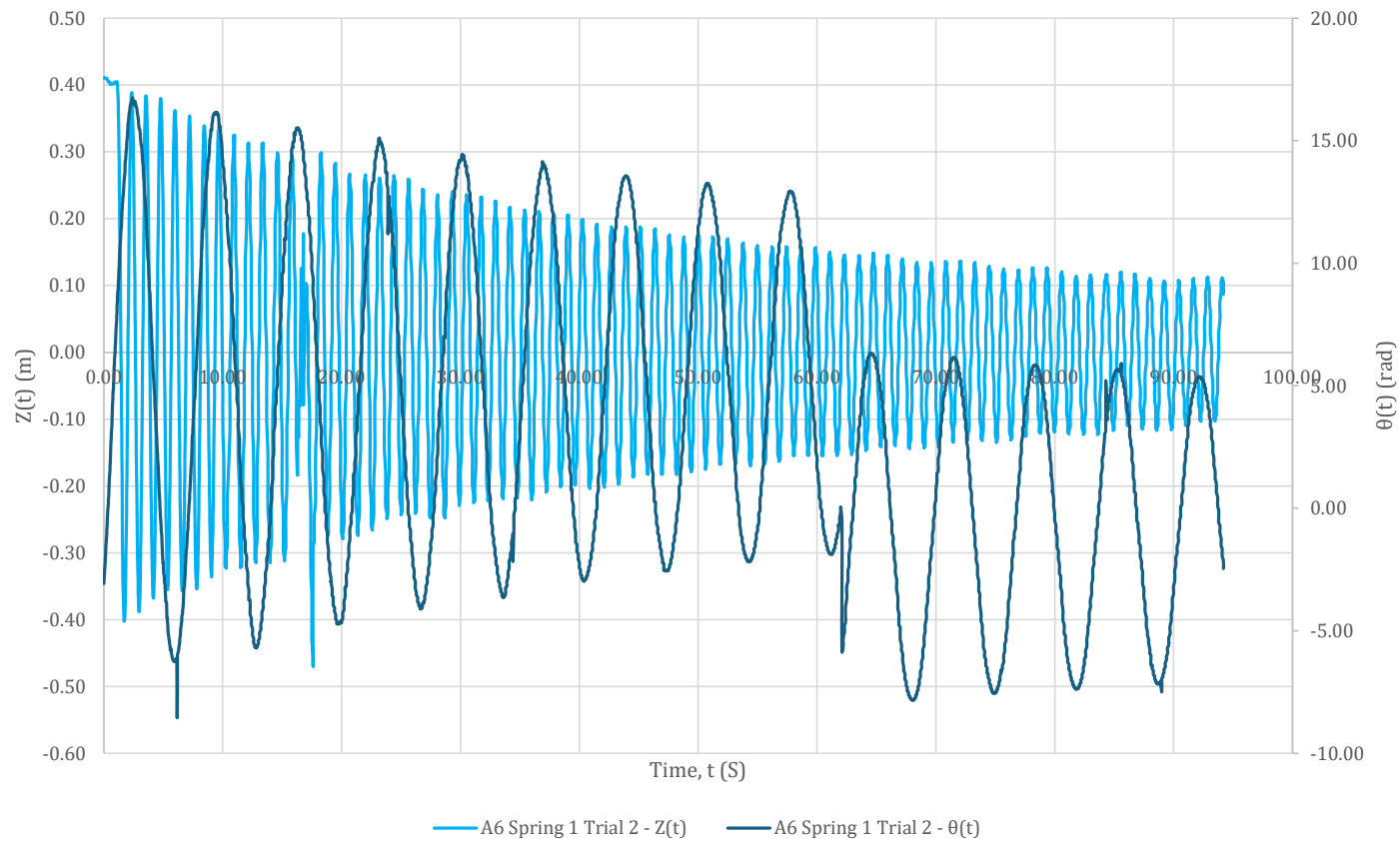


**A6**  
**Spring 1**

Graph of motion of the Wilberforce pendulum with 6 arms under spring 1 -Trial 1

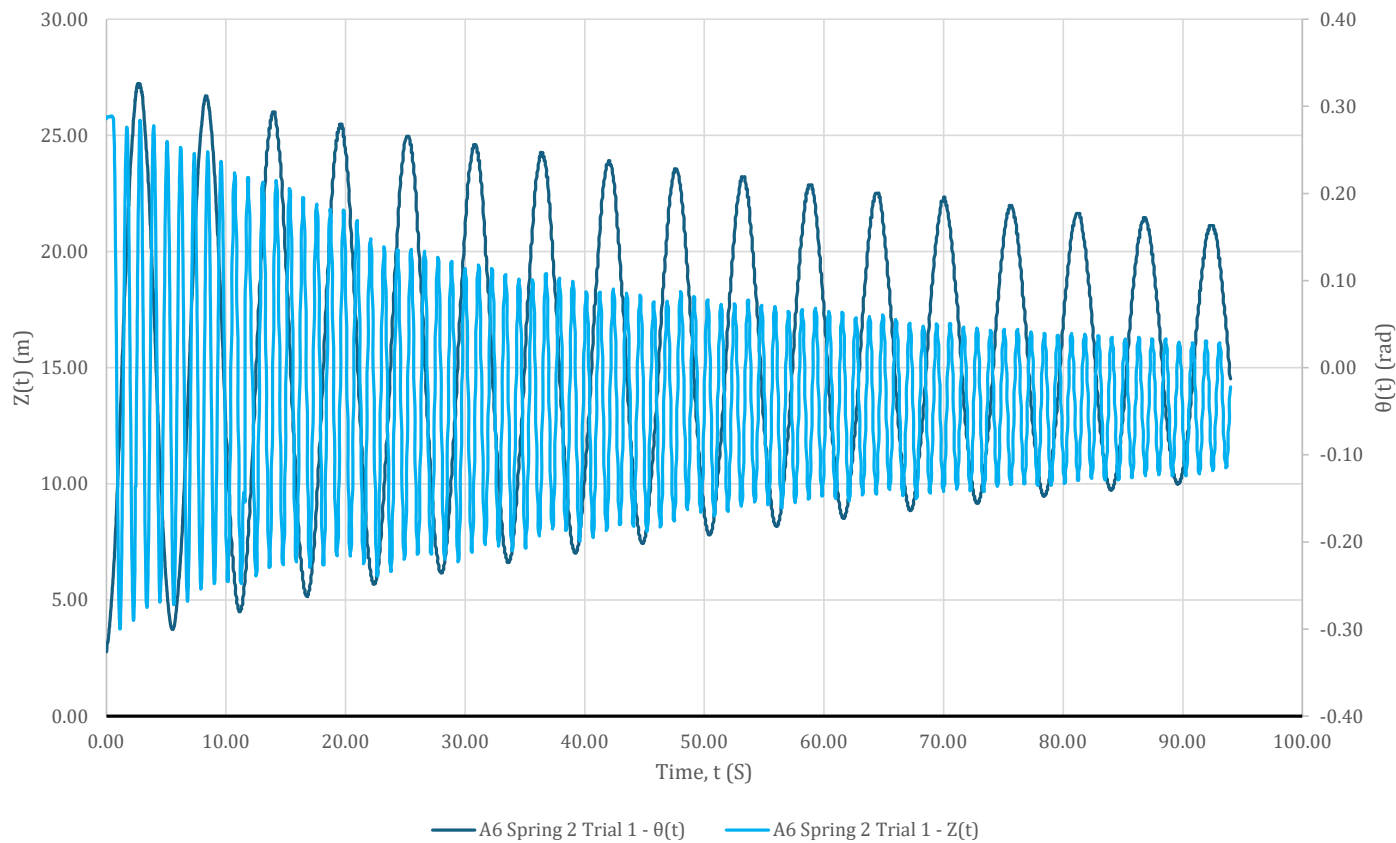


Graph of motion of the Wilberforce pendulum with 6 arm under spring 1- Trial 2

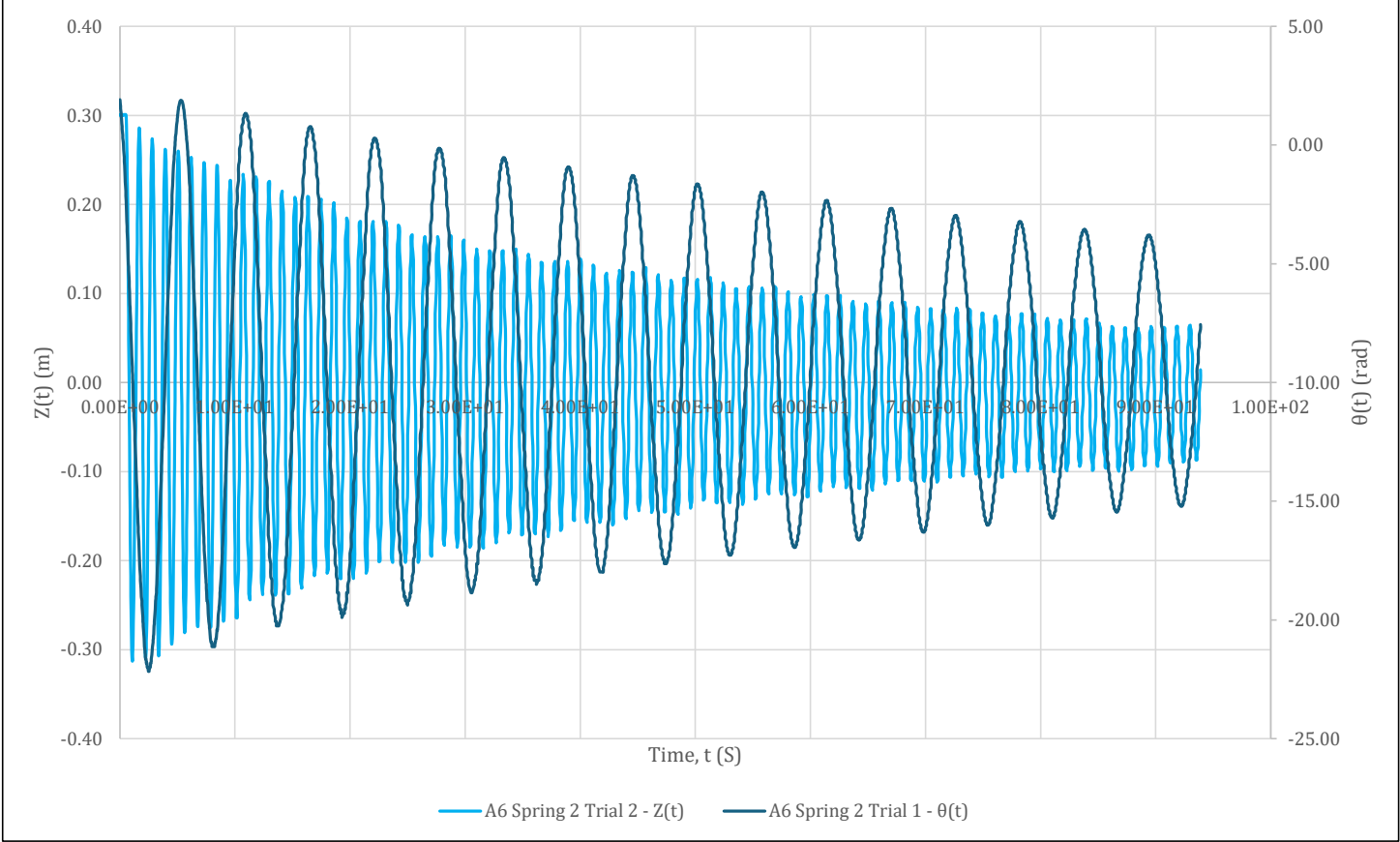


**A6**  
**Spring 2**

Graph of motion of the Wilberforce pendulum with 6 arms under spring 2 - Trial 1



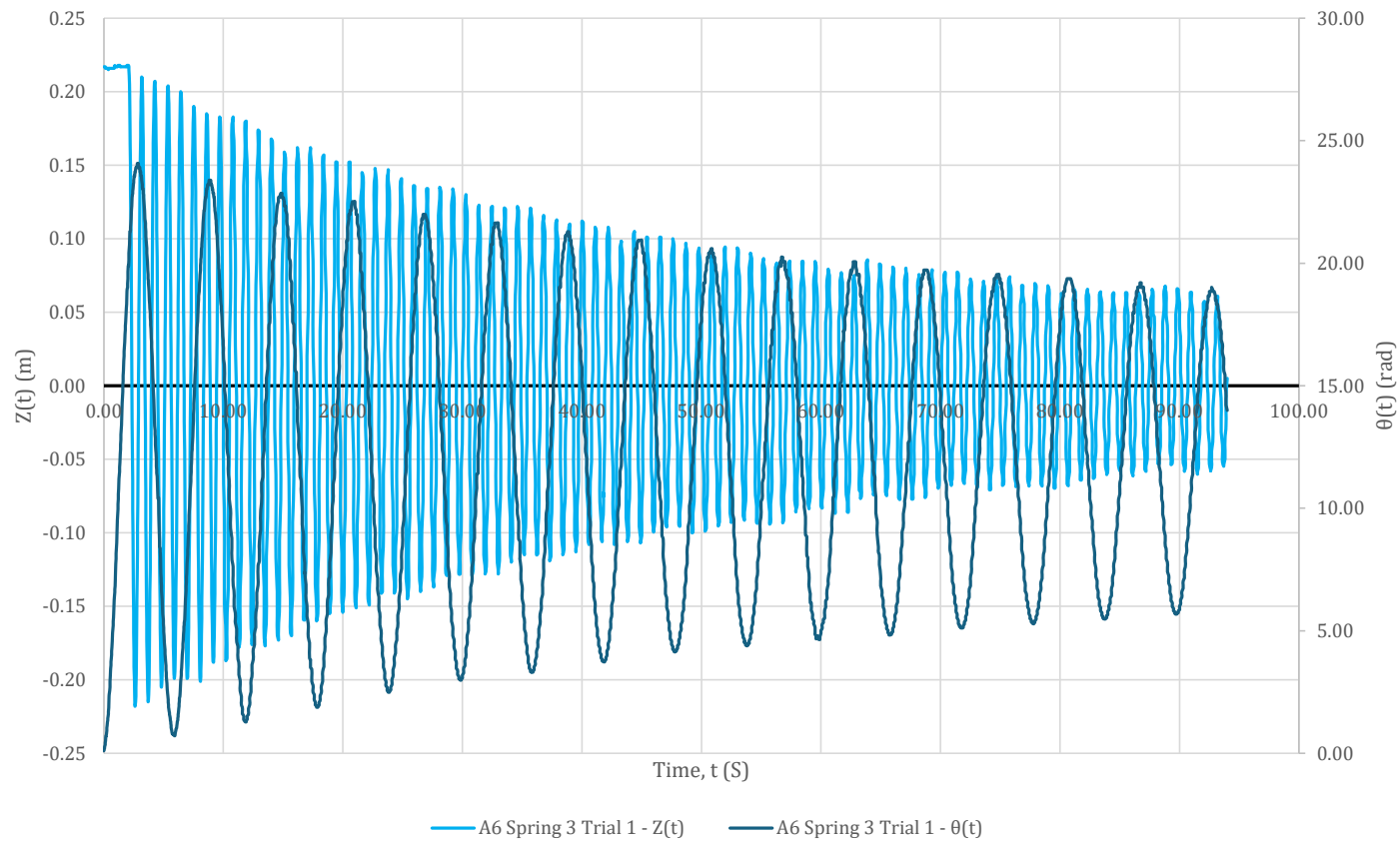
Graph of motion of the Wilberforce pendulum with 6 arms under spring 2 - Trial 2



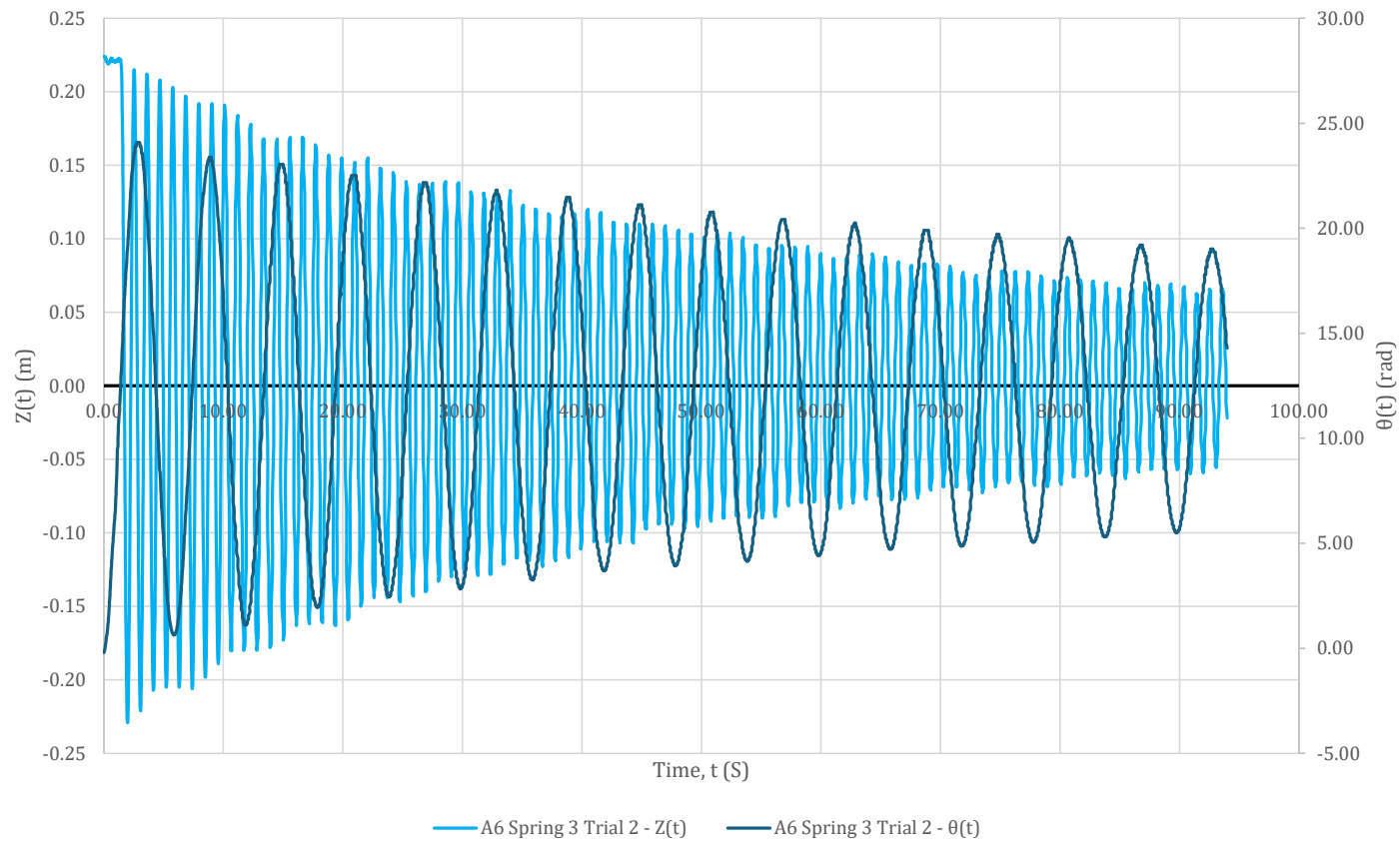
**A6**  
**Spring 3**



Graph of motion of the Wilberforce pendulum with arms under spring 3 - Trial 1

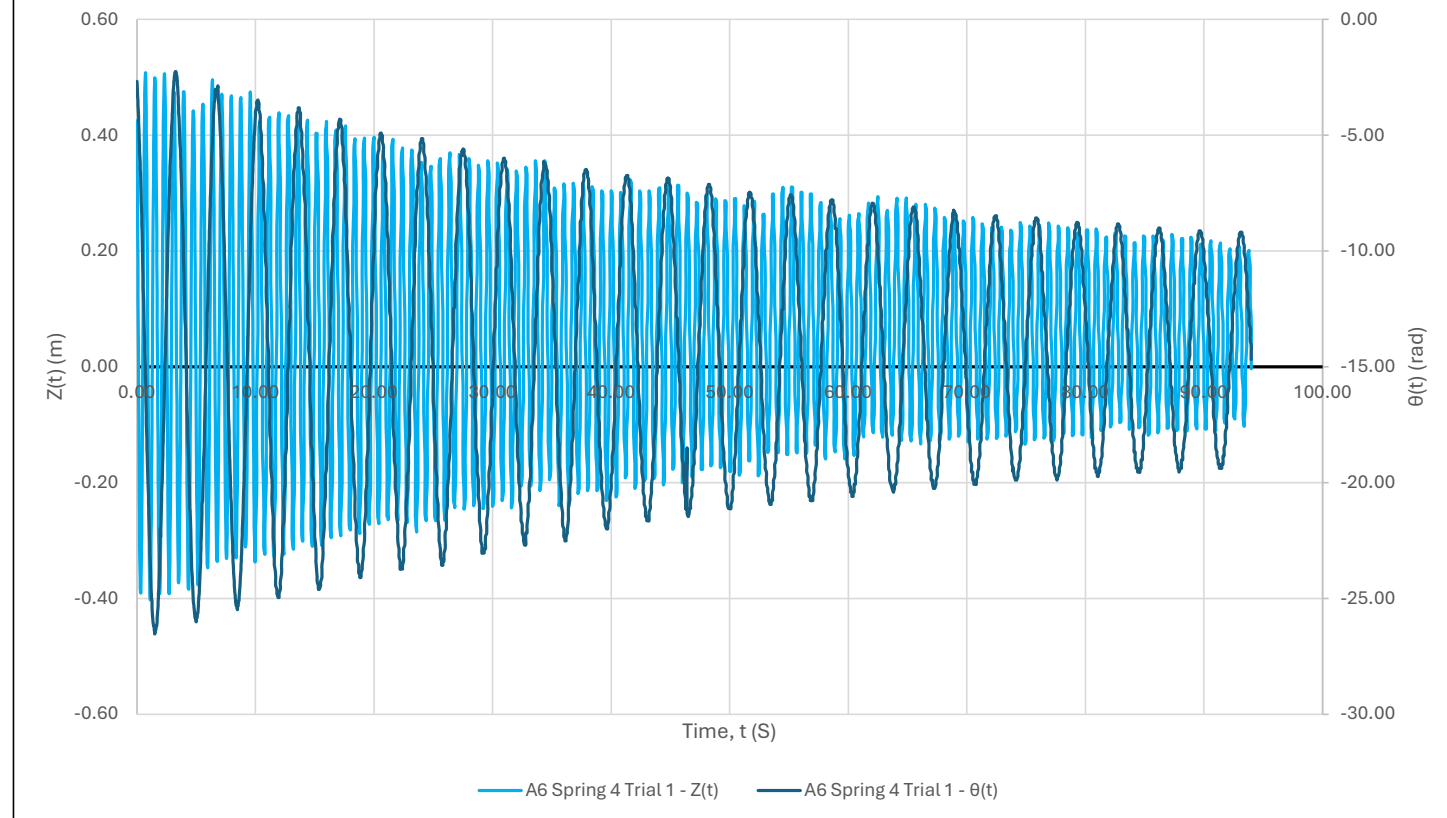


Graph of motion of the Wilberforce Pendulum with 6 arm under spring 3 - Trial 2

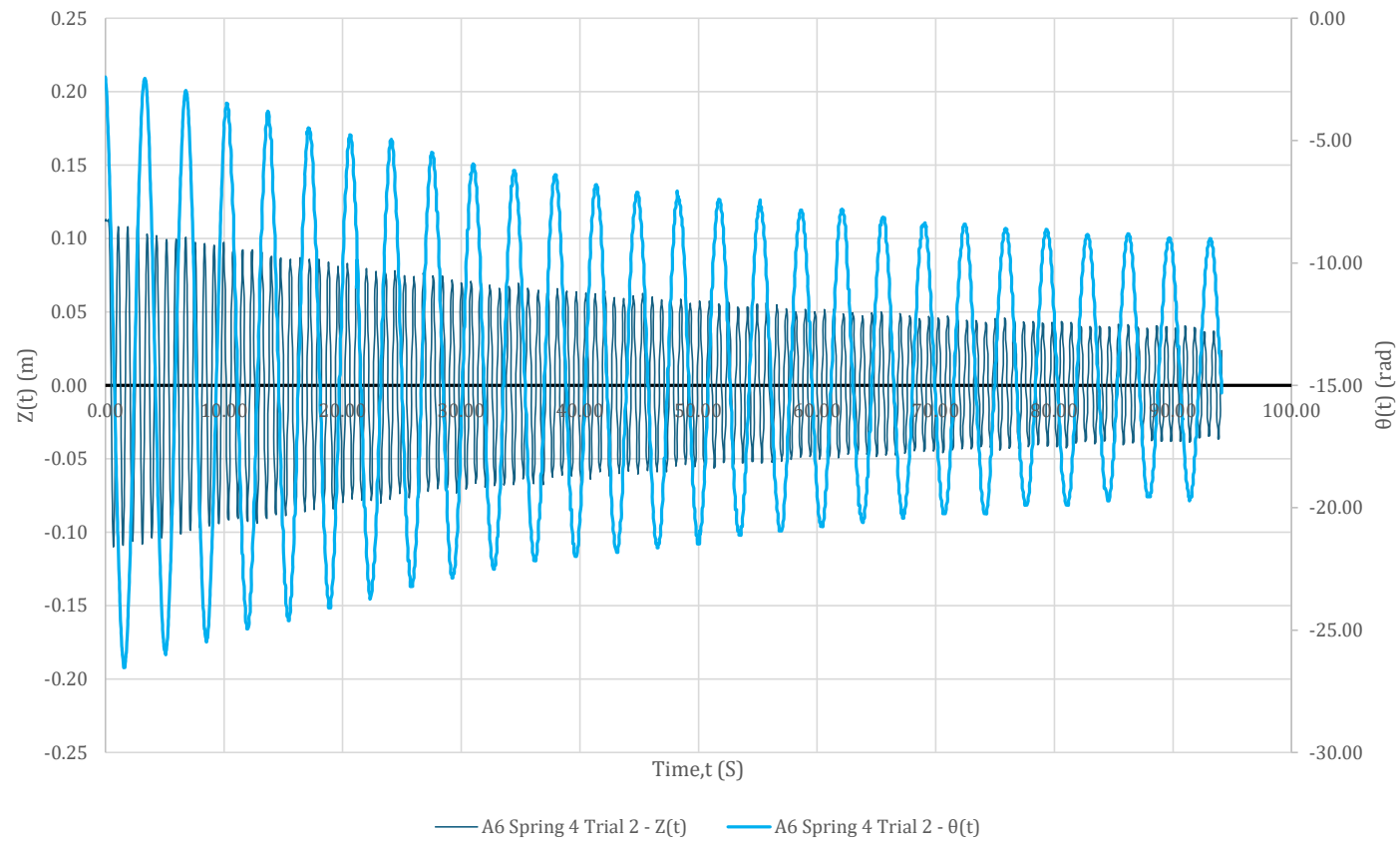


**A6**  
**Spring 4**

Graph of motion of the Wilberforce pendulum with 6 arms under spring 4 - Trial 1

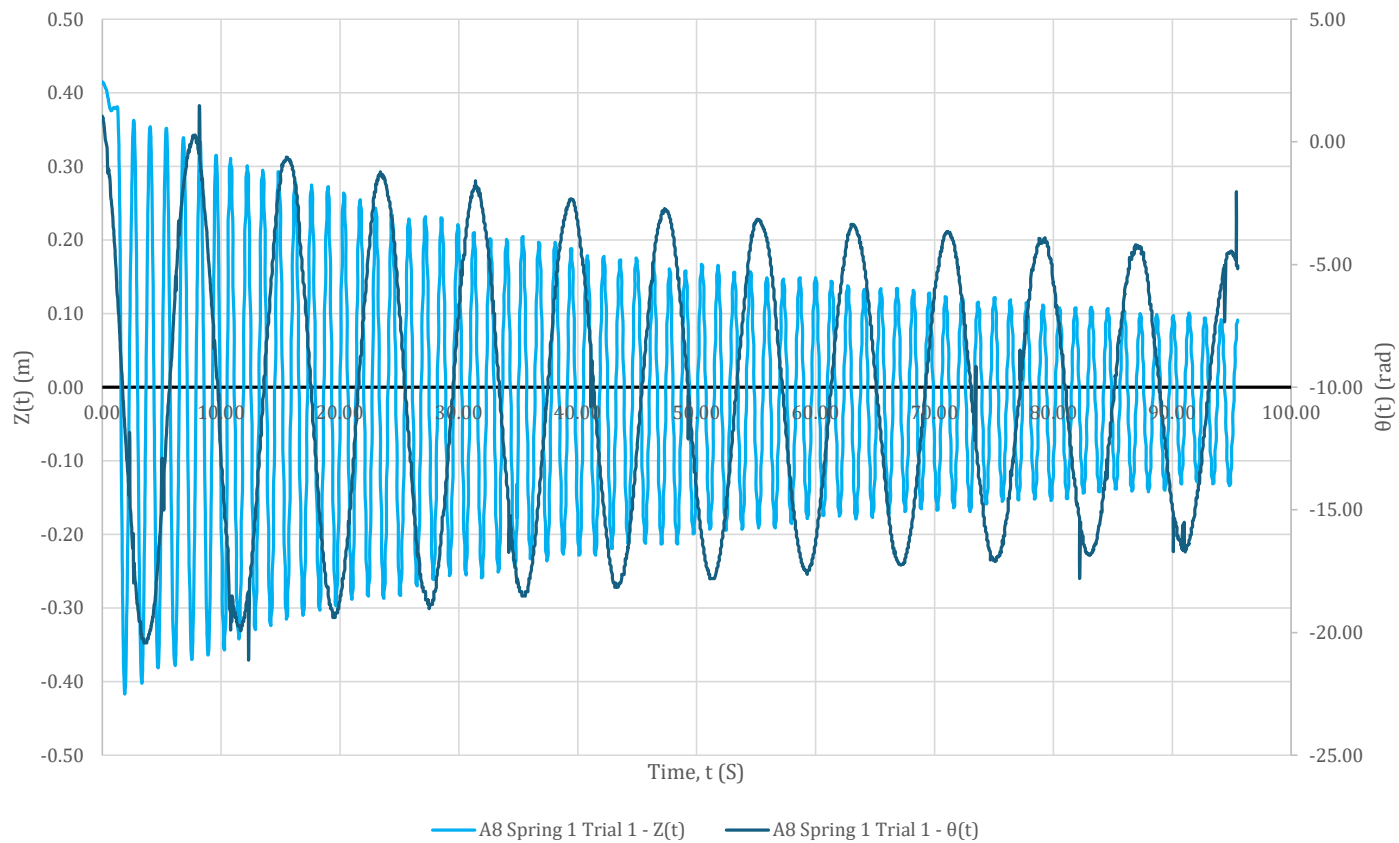


Graph of motion of the Wilberforce pendulum with 6 arm under spring 4 - Trial 2

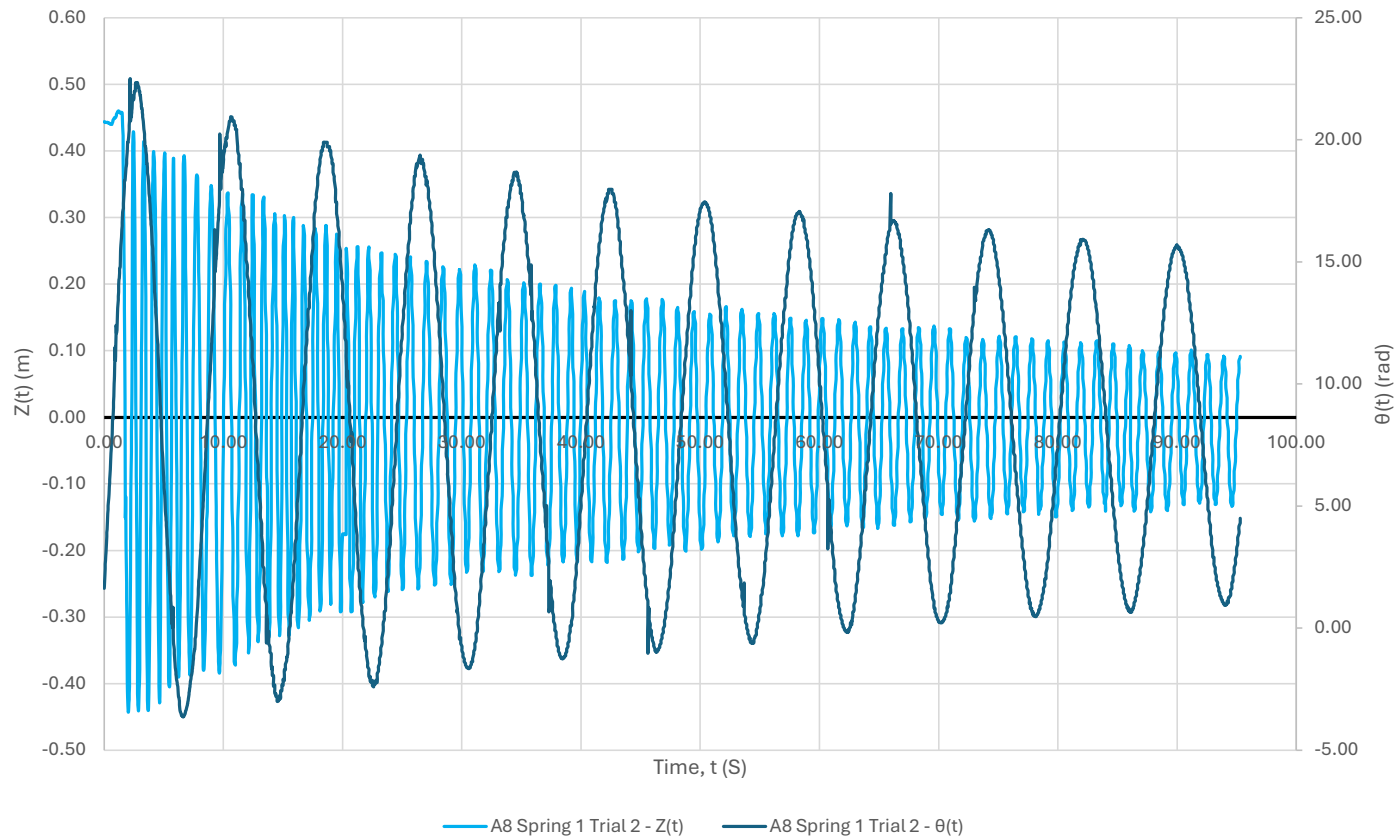


**A8**  
**Spring 1**

Graph of motion of the Wilberforce pendulum with 8 arms under spring 1 - Trial 1



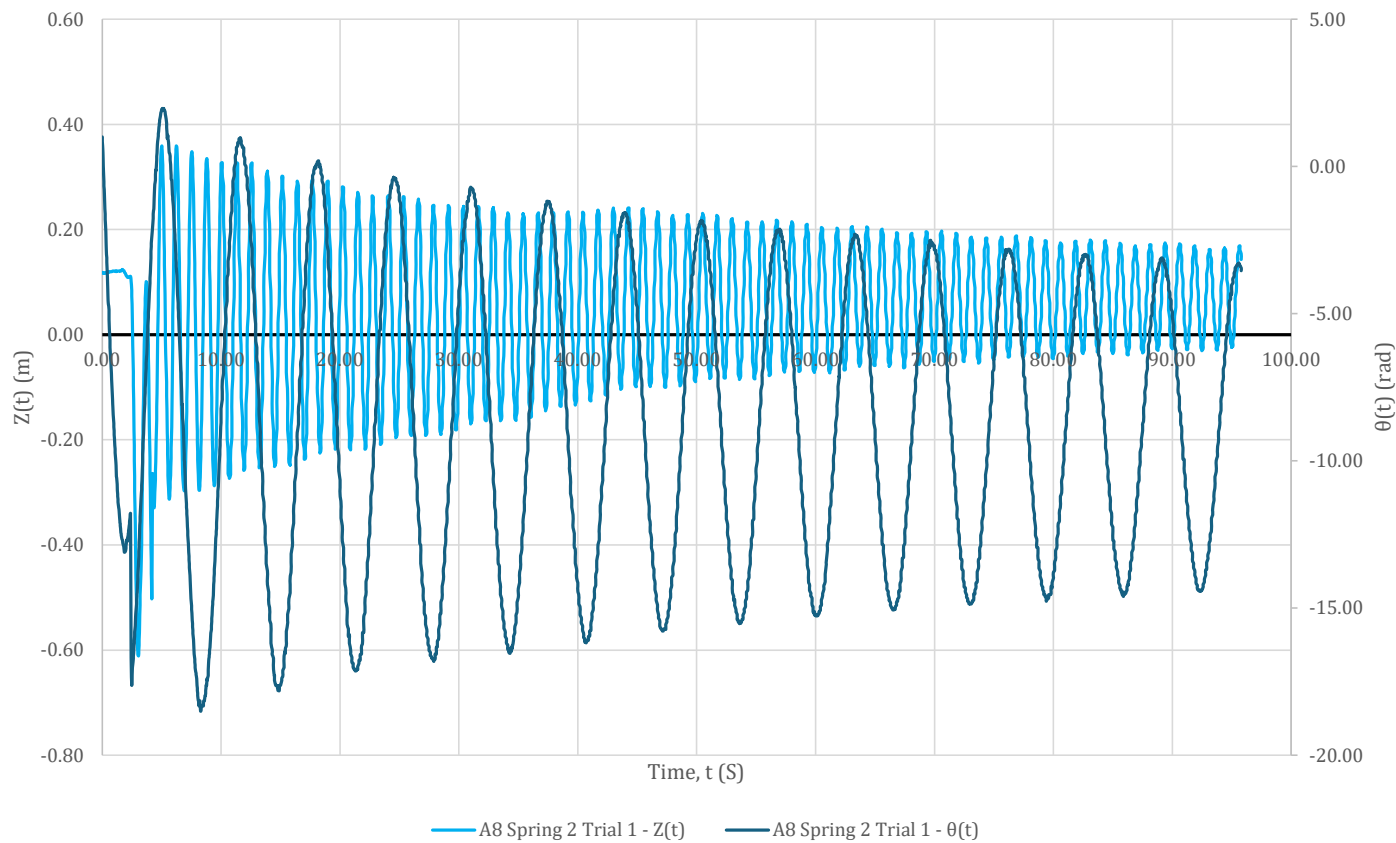
Graph of motion of the Wilber force pendulum with 8 arms under spring 1 - Trial 2



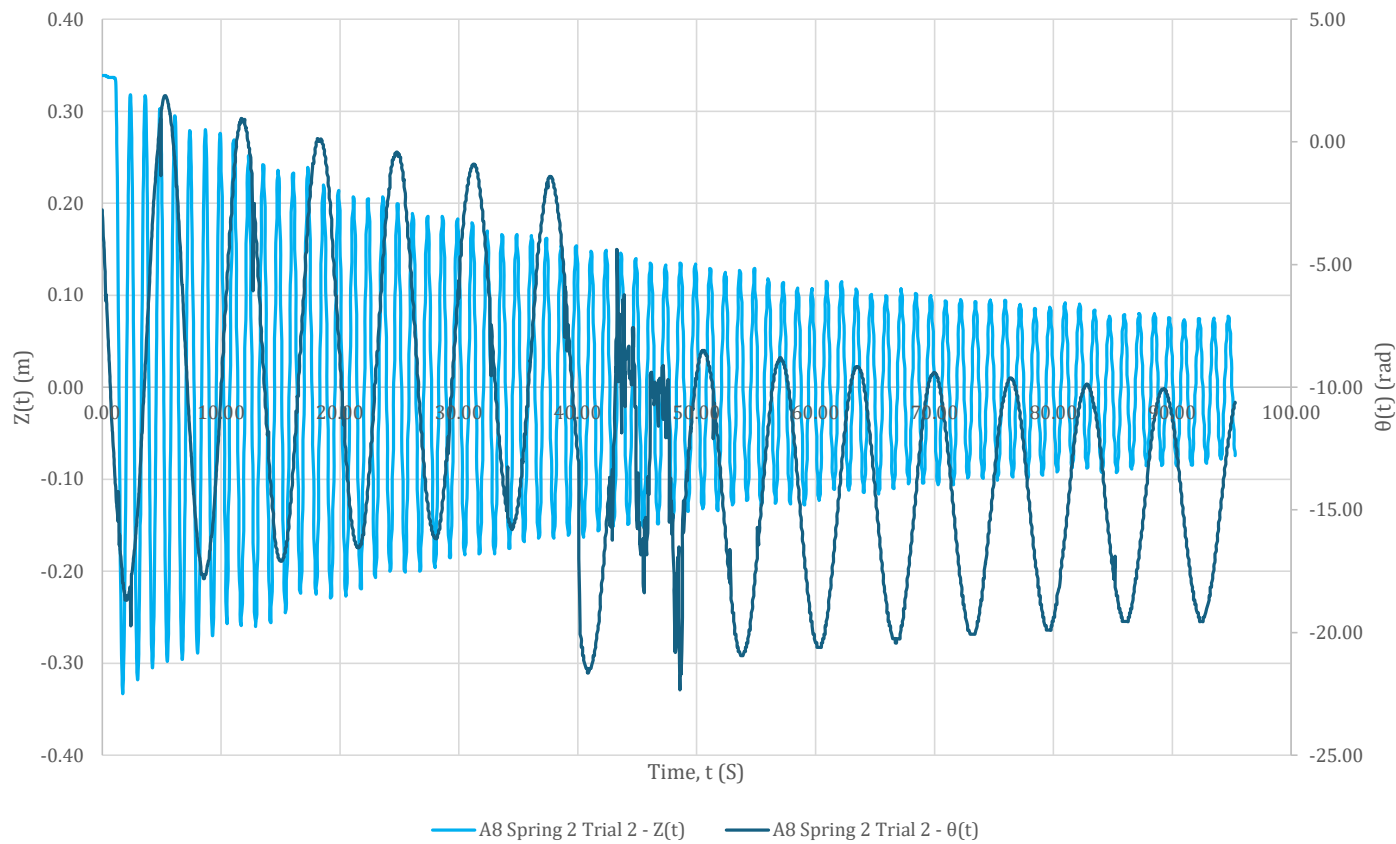


**A8**  
**Spring 2**

Graph of motion of the Wilberforce Pendulum with 8 arms under spring 2 - Trial 2

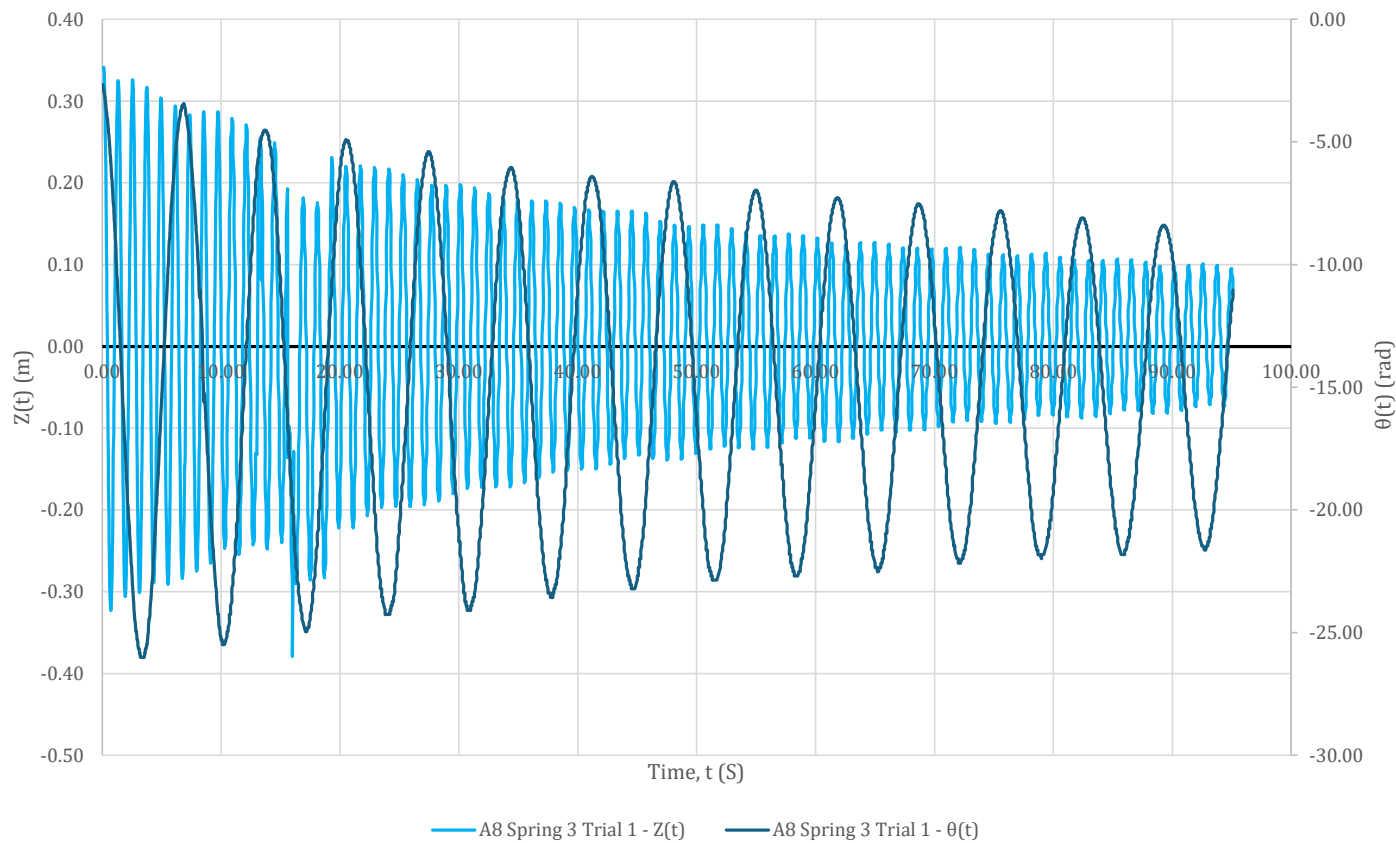


Graph of motion of the Wilberforce Pendulum with 8 arms under spring 2 - Trial 2

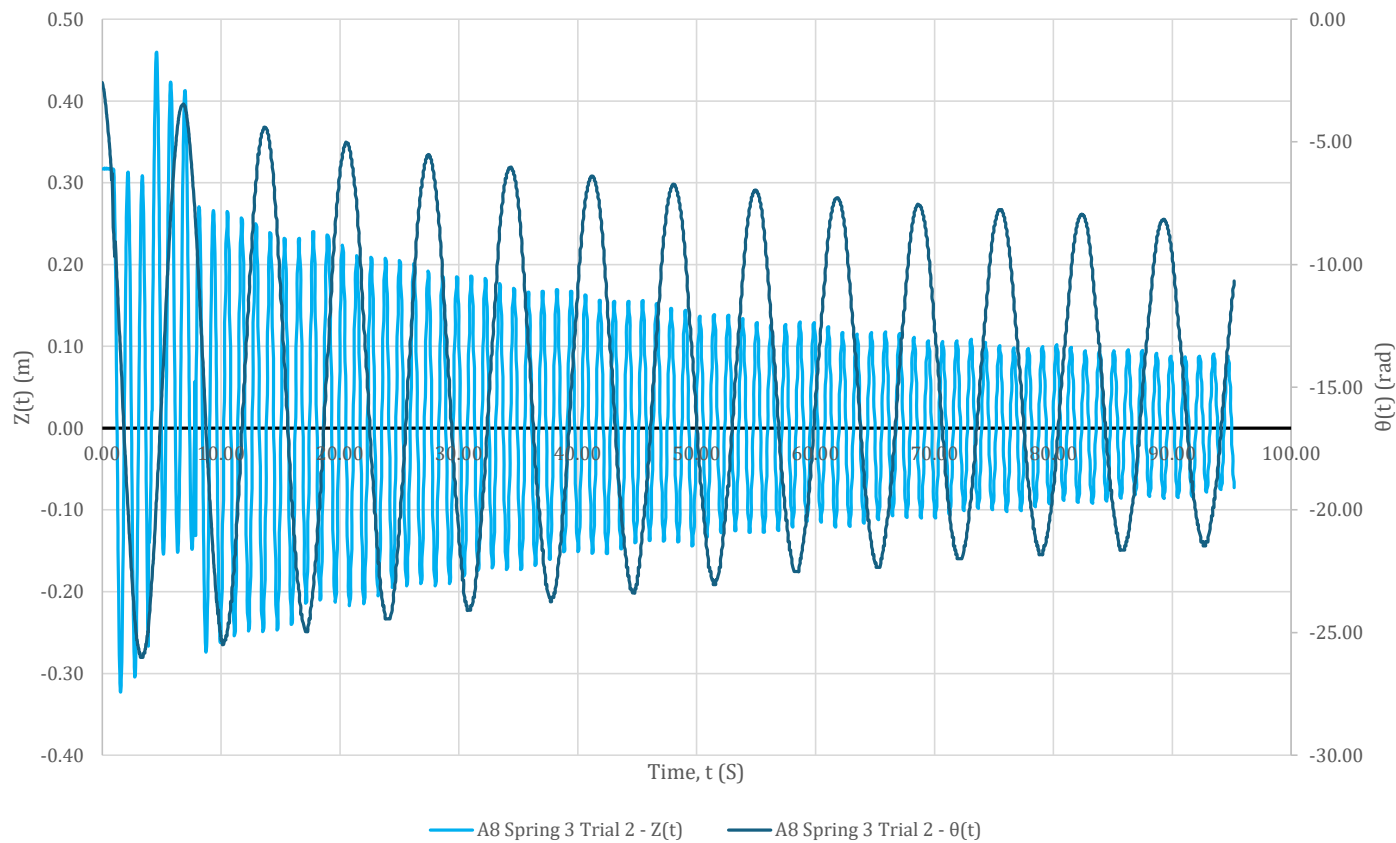


**A8**  
**Spring 3**

Graph of motion of the Wilberforce Pendulum with 8 arms under spring 3 - Trial 1



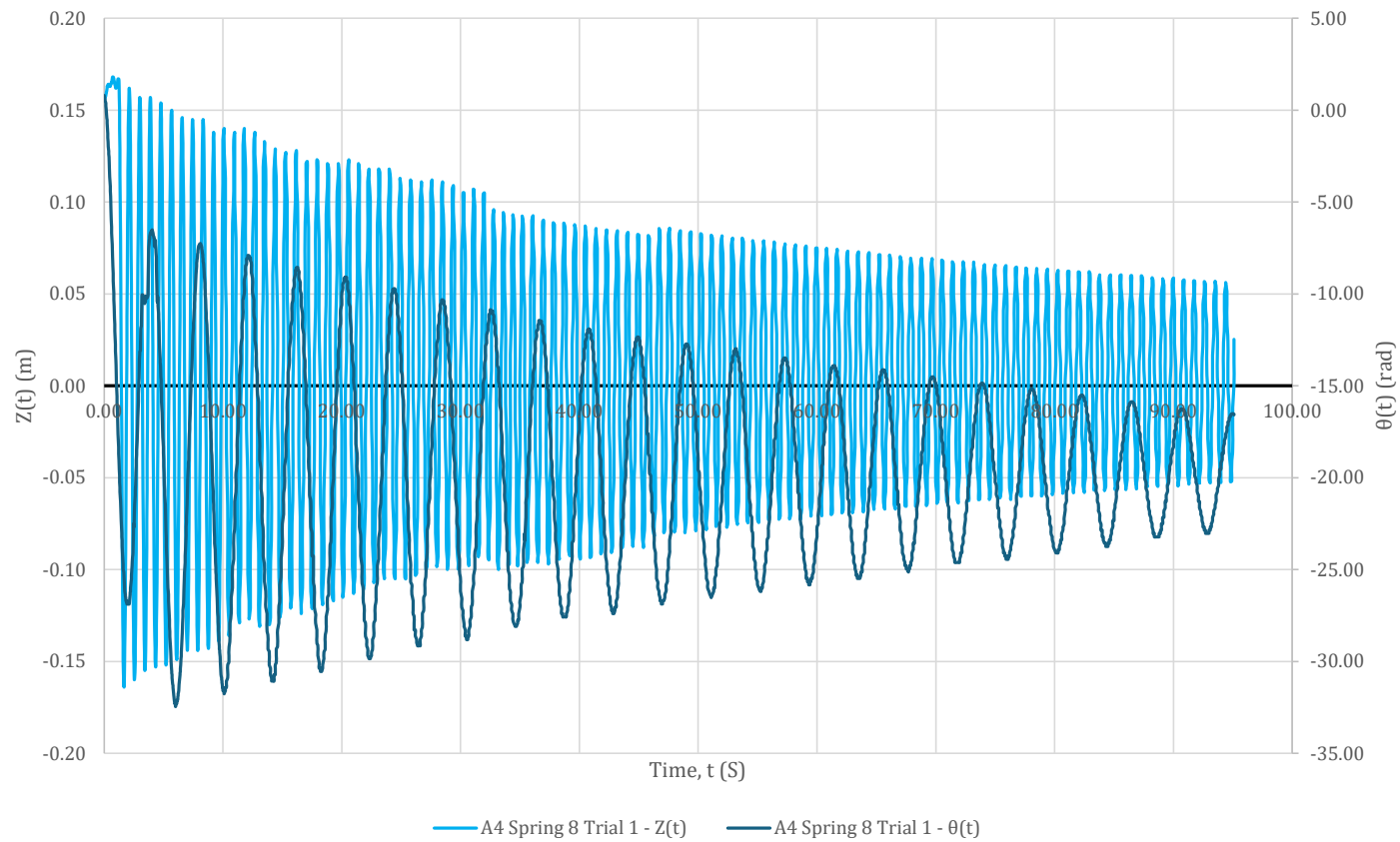
Graph of motion of the Wilberforce pendulum with 8 arms under spring 3 - Trial 2



**A8**

**Spring 34**

Graph of motion of Wilberforce pendulum with 8 arms under spring 4 - Trial 1





Graph of motion of Wilberforce pendulum with 8 arms under spring 4 - Trial 2

