

Exercise 7. Rotational Dynamics

Added mass: _____ Torsional Spring ID# _____ By: _____ (initials)

Table 7.1 Angular Acceleration

Point	Time	x	z(x)
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

$\alpha =$ _____

$\omega_0 =$ _____

Table 7.2 Summary of Results

PART A	Small Radius	Medium Radius
ω_0		
α		
τ_{Net}		
I_0		
Number of Points		
PART B	With Disk	With Rectangular Plate
ω_0		
α		
τ_{Net}		
I_{meas}		
I_{calc}		
$I_{\text{calc}} + I_0$		
Number of Points		

**Fill in this Table before leaving the lab after you complete Exercise 7.
Bring a copy with you when you come in to do Exercise 8.**