ME370: ADAMS LAB

Department of Mechanical Engineering, IIT Bombay



Session 3 Report

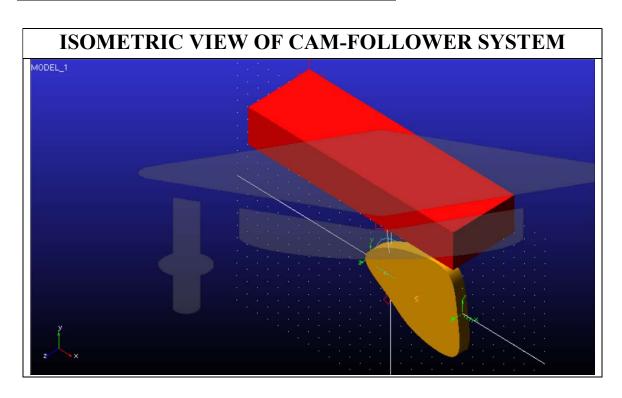
Group / Section: A8
Name: Ameya Halarnkar
Roll Number: 200020023

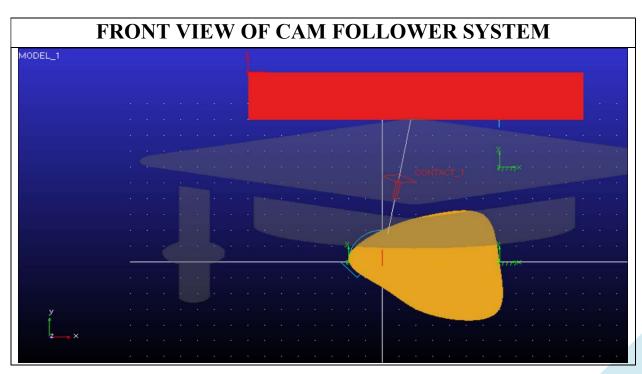


Date: February 6,2023

Given Information

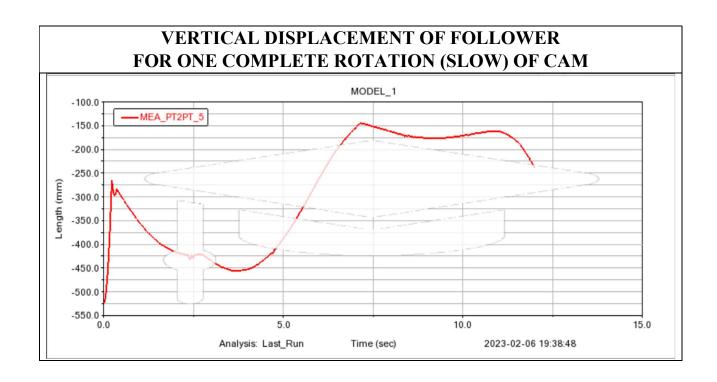
Roll Number	X/Offset Ratio	
200020023	1.0013	

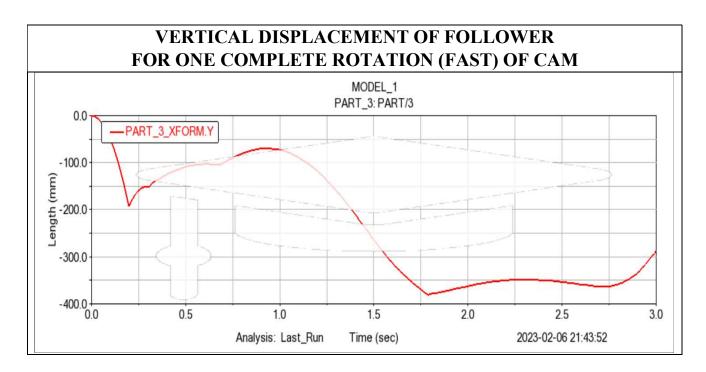




Question 1 (In the presence of Gravity)

Speed Used	30 Degrees per second	
Contact Settings Used	Ad Modify Contact	×
	Contact Name	CONTACT_1
	Contact Type	Solid to Solid ▼
	I Solid(s)	EXTRUSION_4
	J Solid(s)	BOX_2
	▼ Force Display	Red 🔻
	Normal Force	Impact
	Stiffness	1.0E+05
	Force Exponent	2.2
	Damping	10.0
	Penetration Depth	0.1
	Augmented Lagrangian	
	Friction Force	None ▼
		OK Apply Close





OBSERVATION:

When the rotation speed is high the follower is thrown vertically upwards whereas in the case of low rotation speed, the follower remains in contact with the CAM.

Question 2 (In the presence of Spring)

