

East West University



Project Report

Course Code: EEE 305

Course Name: Electromagnetic Fields and Wave

Submitted to:

Dr Farhana parveen

Assistant Professor

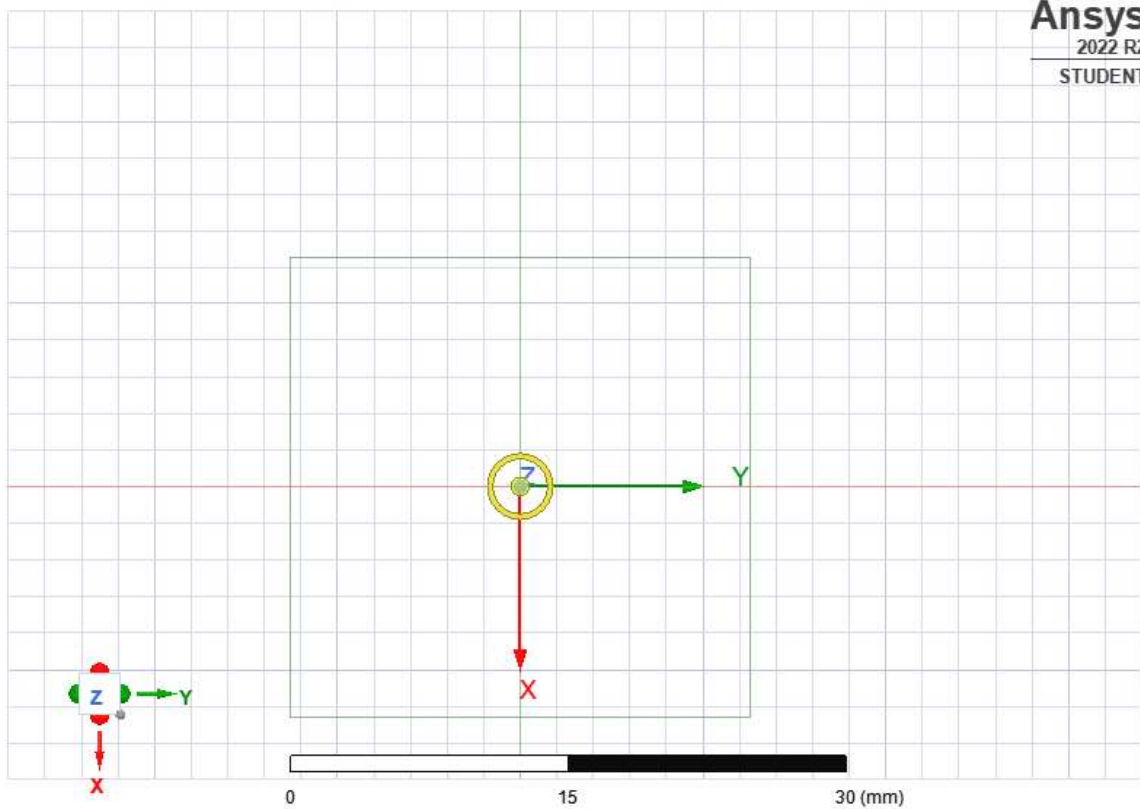
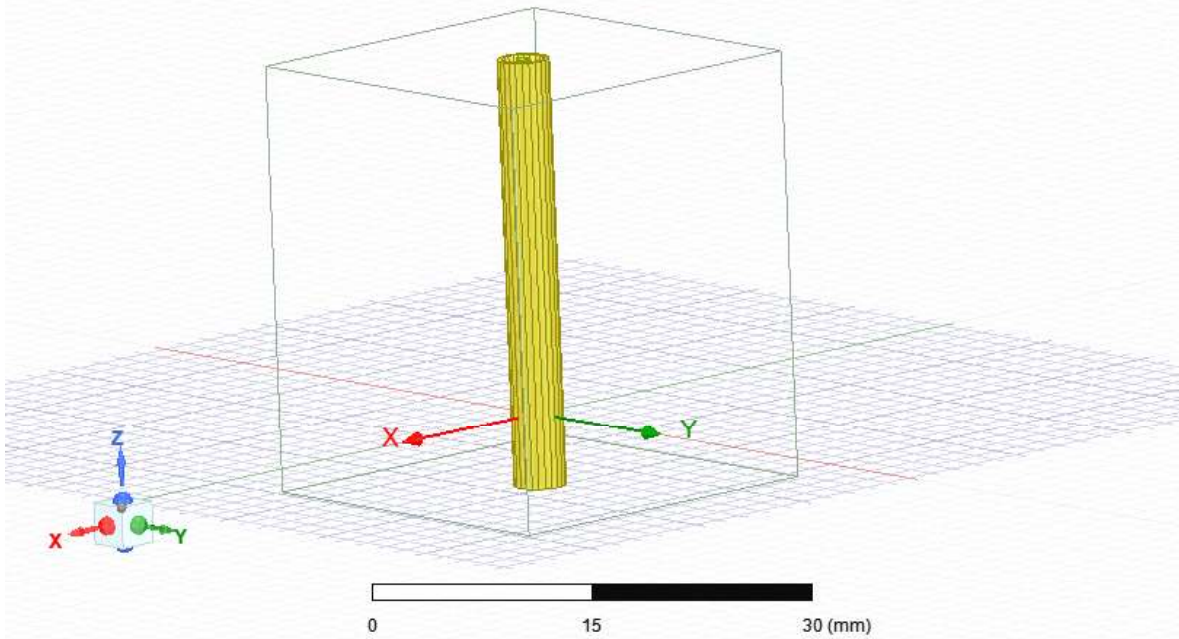
Dept. of Electrical and Electronic Engineering

East West University

Submitted by:


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<i>Md. Srabon Islam Ramim</i>	<i>2020-2-80-046</i>

Date of Submission: 23-12-2022



Solutions: Project1 - Cylindrical Cap

Simulation: Setup1 LastAdaptive

Design Variation: 

Profile | Convergence | Force | Torque | Matrix | Mesh Statistics

Parameter: Matrix1 Type: Capacitance

Pass: 3 Capacitance Units: pF


View Format Export

	Inner	Outer
Inner	1.5309	-1.5309
Outer	-1.5309	1.5309

Close

Solutions: Project1 - Cylindrical Cap

Simulation: Setup1

Design Variation: 

Profile | Convergence | Force | Torque | Matrix | Mesh Statistics

Number of Passes

Completed 3

Maximum 10

Minimum 2

Energy Error/Delta Energy (%)

Target (5, 5)

Current (3.3869, 0.038978)

View: ☒ Table ☐ Plot

Export...

Default Settings


Save Defaults Clear Defaults

Pass	# Tetrahedra	Total Energy (J)	Energy Error (%)	Delta Energy (%)
1	635	3.0651e-06	9.4696	N/A
2	954	3.0631e-06	5.59	0.067399
3	1435	3.0619e-06	3.3869	0.038978

Close

Solutions: Project1 - Cylindrical Cap

Simulation: Setup1 LastAdaptive

Design Variation: 

Profile | Convergence | Force | Torque | Matrix | Mesh Statistics

Parameter: Inner_Force Force Unit: newton

Pass: 3


View Format Export

	F(x)	F(y)	F(z)	Mag(F)
Total	-7.9402E-06	2.1714E-05	-2.8862E-08	2.312E-05

Close

Solutions: Project1 - Cylindrical Cap

Simulation: Setup1 LastAdaptive

Design Variation: 

Profile | Convergence | Force | Torque | Matrix | Mesh Statistics

Parameter: Matrix1 Type: Capacitance

Pass: 3 Capacitance Units: pF

View Format Export

	Inner	Outer
Inner	1.5309	-1.5309
Outer	-1.5309	1.5309

Close

