${\bf Description:}$

It is the continuation of previous problem but the error of the solution is compared for different thicknesses.

Material and Geometric data:

Table 1: Input Data

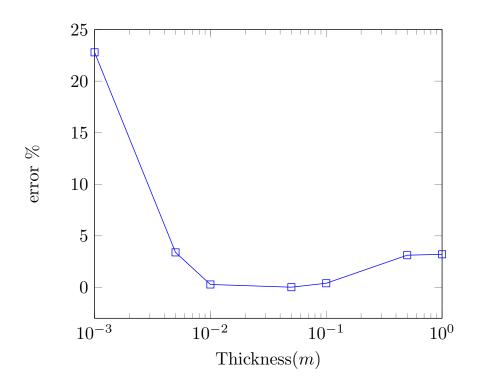
Material Property		Geometric Da	ta	Loading Data	
Young's Modulus (E)	1E11 pa	Length (a)	1 m	N_2	$\frac{T}{t} N/m^2$
Poission's Ratio (ν)	0.3	Breath (b)	40 m	Tension T	3E4 N/m
Density (ρ)	$7810~Kg/m^3$	Thickness (t)	$\{0.001, 0.005,, 0.5, 1\}\ m$		

Mesh and boundary condition:

Table 2: FEM and Boundary condition data

Direchlet Boundary				Loading Conditions		
Geo -Entity	w	θ_x	θ_y	Geo -Entity	N_2	
line {1,3}	Fixed	Free	Free	line {1,3}	$\frac{T}{t} N/m^2$	

Result and error analysis:



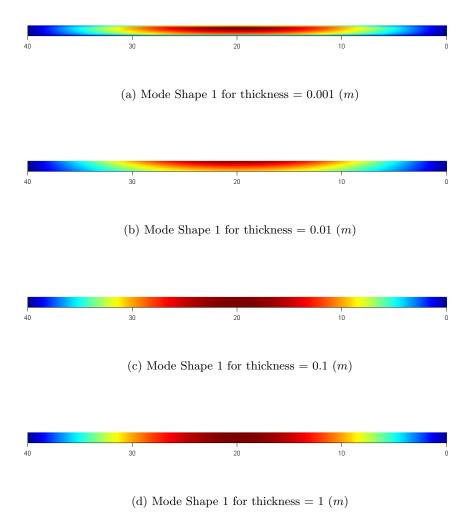


Figure 1: Natural Modes of a rectangular strip