

NOM :

Prénom :

Results of project 2 – part 2

Table 1.- Frequencies

Mode n°	Measured frequency (Hz)	2 DOF model (Hz)	Relative error (%)	Rayleigh-Ritz method (Hz)	Relative error (%)
1					
2					
3		-	-		
4		-	-		
5		-	-		

Plot the analytical mode-shapes and the undeformed structure.

Superpose the measurement points corresponding to the experimental mode-shapes (e.g. using circles).

Figure 1.- Mode-shapes n° 1 and 2

Plot the analytical mode-shapes and the undeformed structure.
Superpose the measurement points corresponding to the experimental mode-shapes (e.g. using circles).

Figure 2.- Mode-shape n° 3

Plot the analytical mode-shapes and the undeformed structure.
Superpose the measurement points corresponding to the experimental mode-shapes (e.g. using circles).

Figure 3.- Mode-shapes n° 4 and 5

Conclusions

Compare the theoretical predictions of the different models (2DOF and Rayleigh-Ritz) with the experimental results in terms of frequencies and mode-shapes.