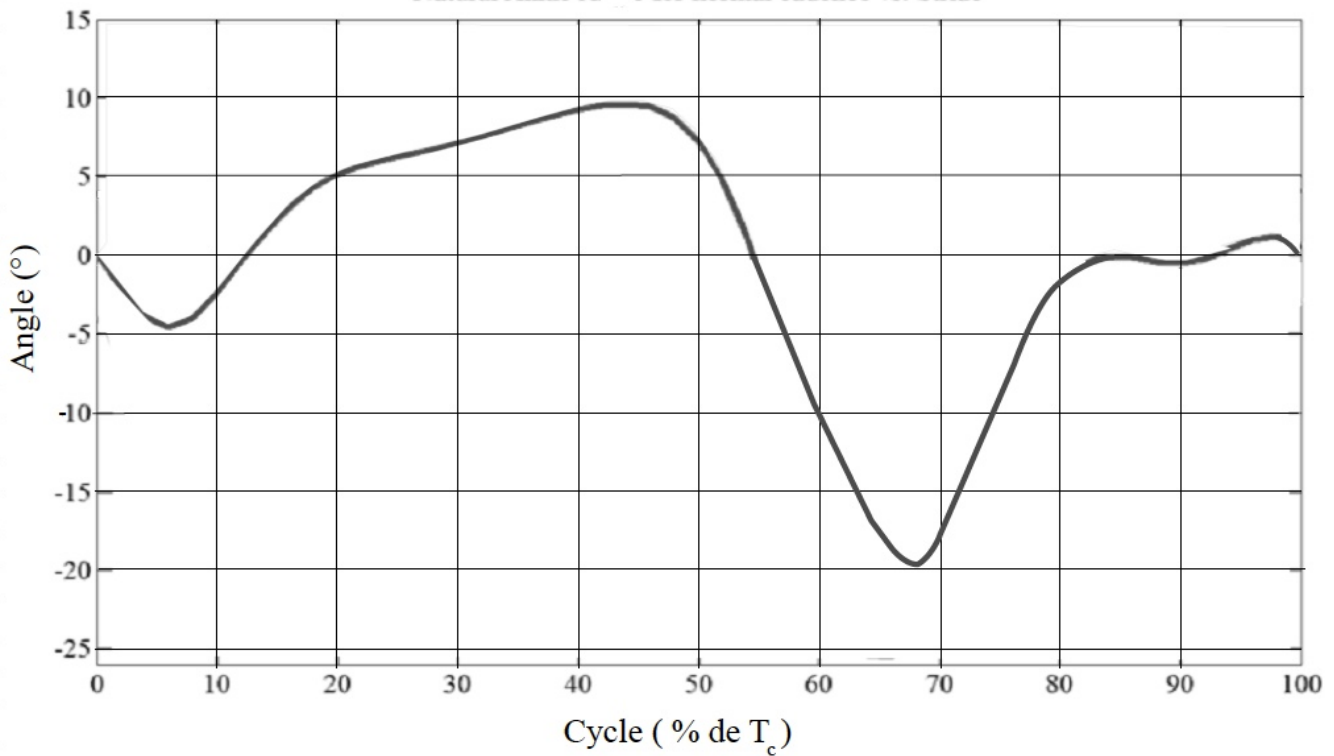


### DOCUMENT RÉPONSES

**NOM :** .....

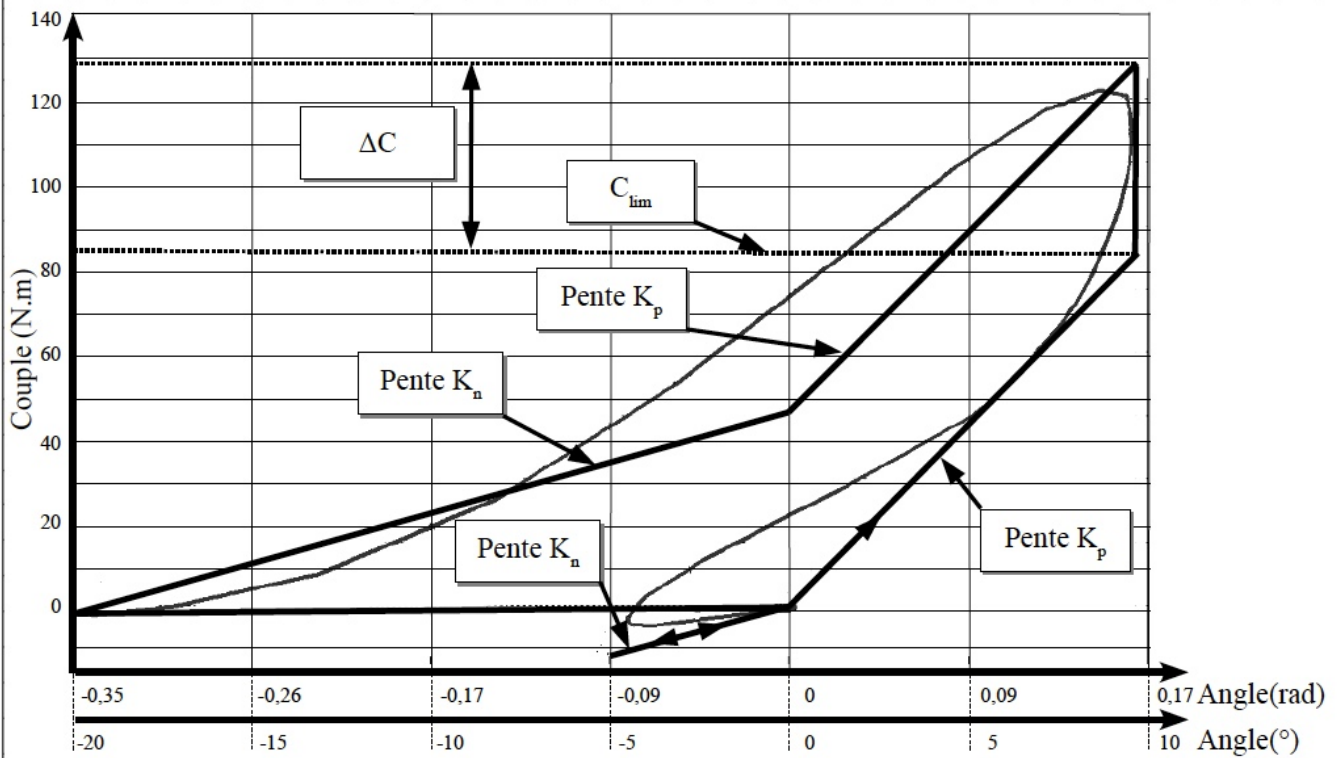
Question 1.



Question 2.

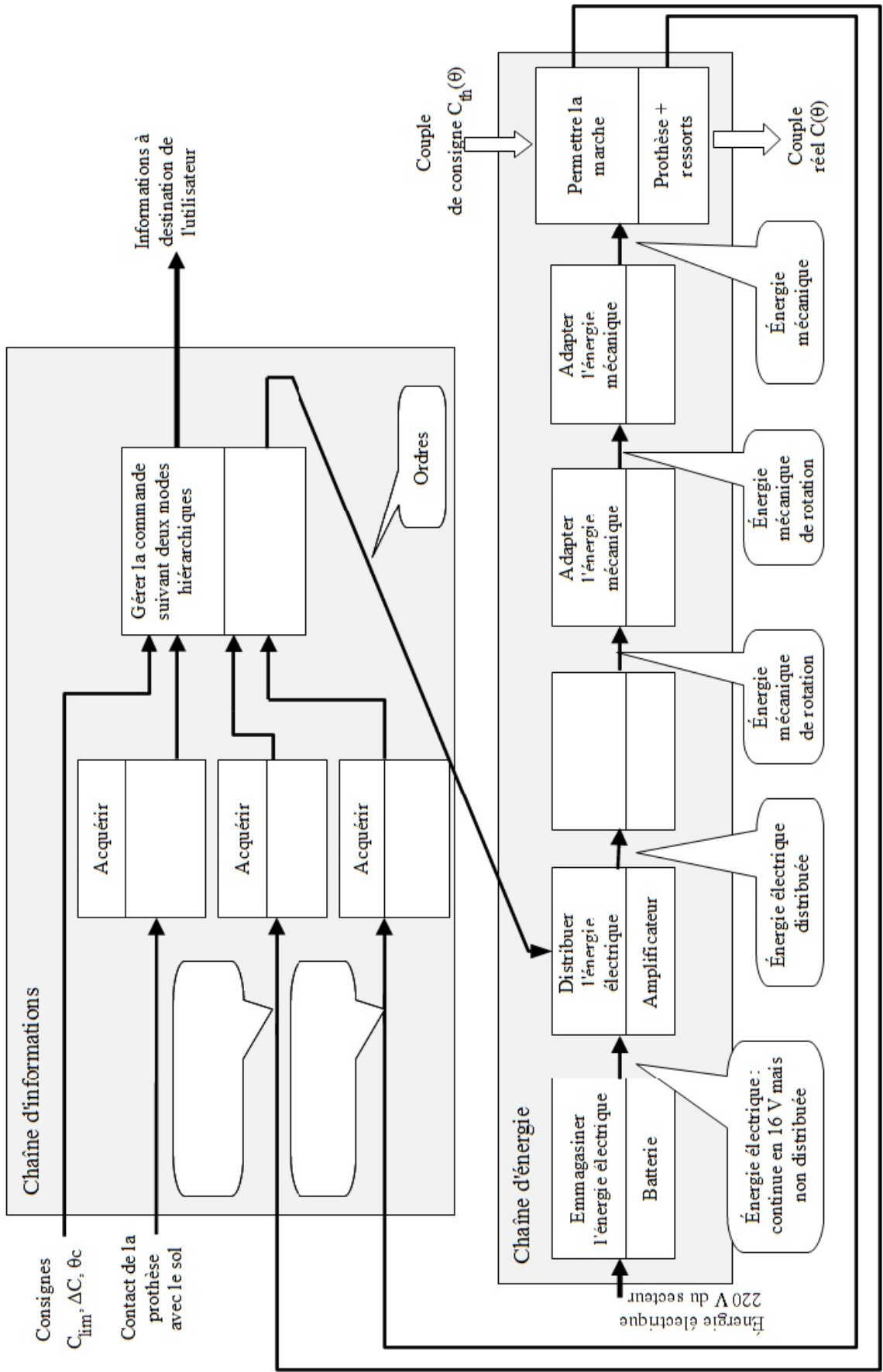
Critères	Valeurs du CDC	Valeurs relevées
Valeurs extrêmes de l'angle $\theta$	Flexion plantaire propulsive : $-25^\circ$ Dorsiflexion : $15^\circ$	
Vitesse angulaire maximale $\theta_{\max}$	$5,2 \text{ rad} \cdot \text{s}^{-1}$	
Couple maximal à fournir	$140 \text{ N} \cdot \text{m}$	
Travail maximal à fournir	$20 \text{ J}$	

Question 3.

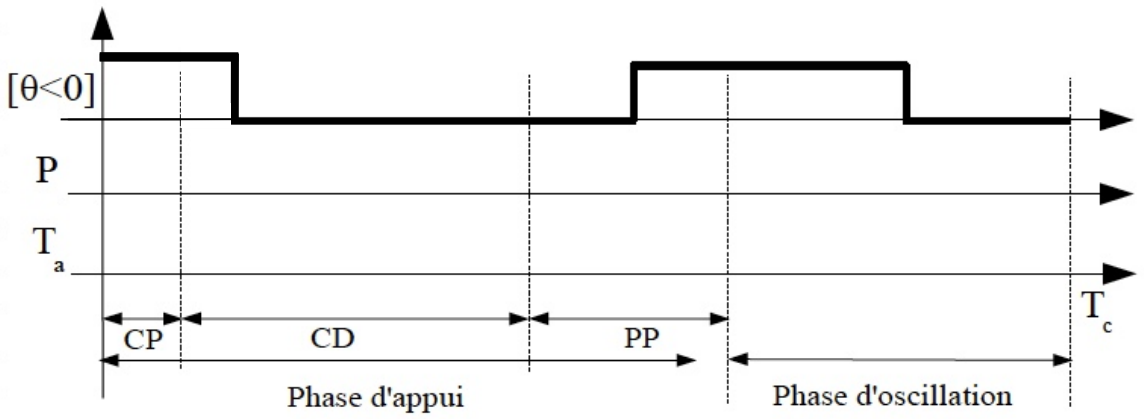


Comparaison des lois théorique et expérimentale pour une cadence normale

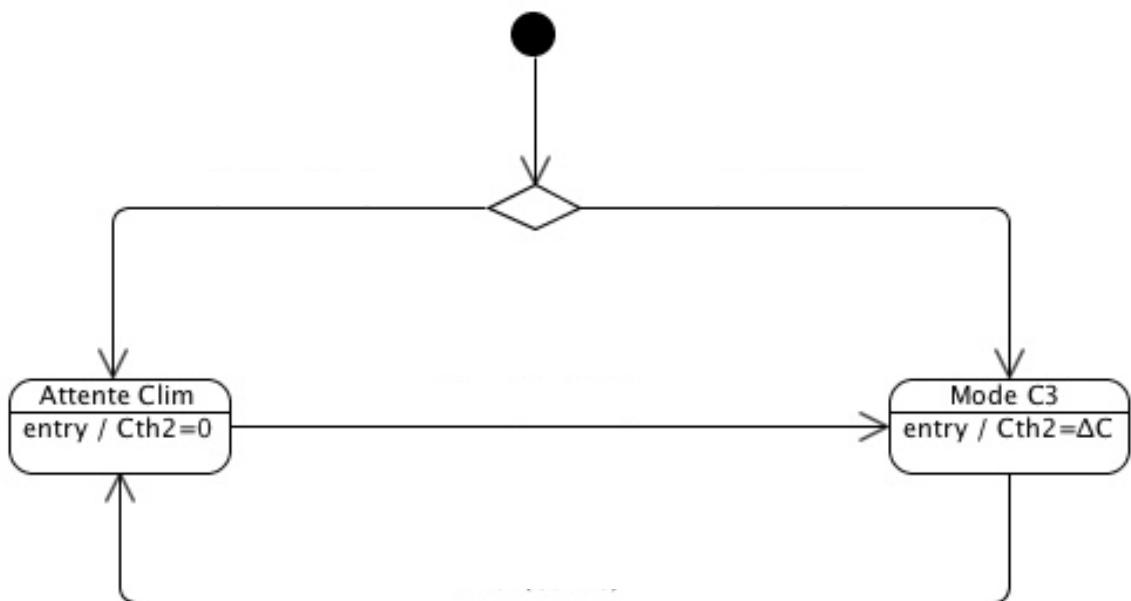
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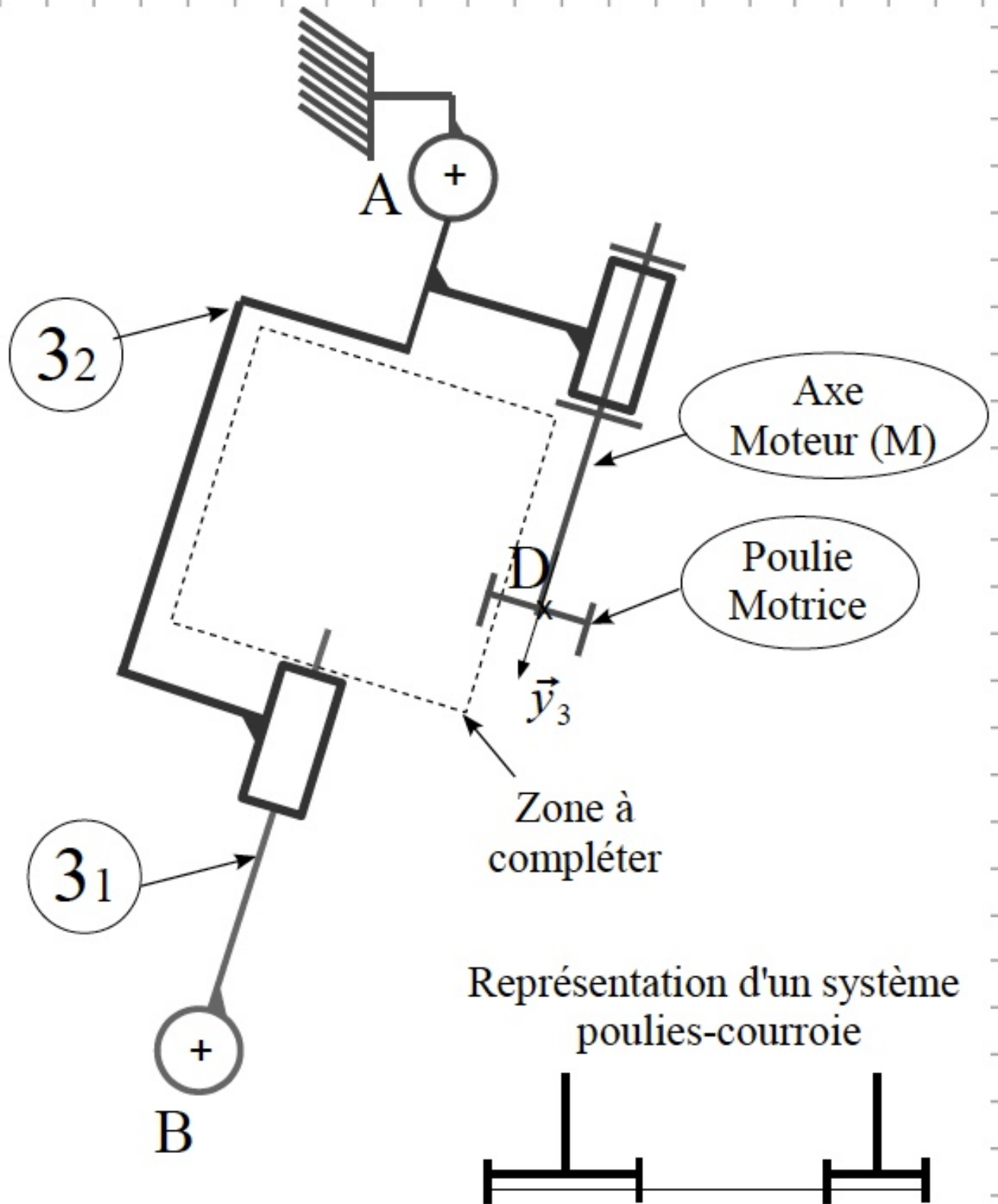
Question 5.



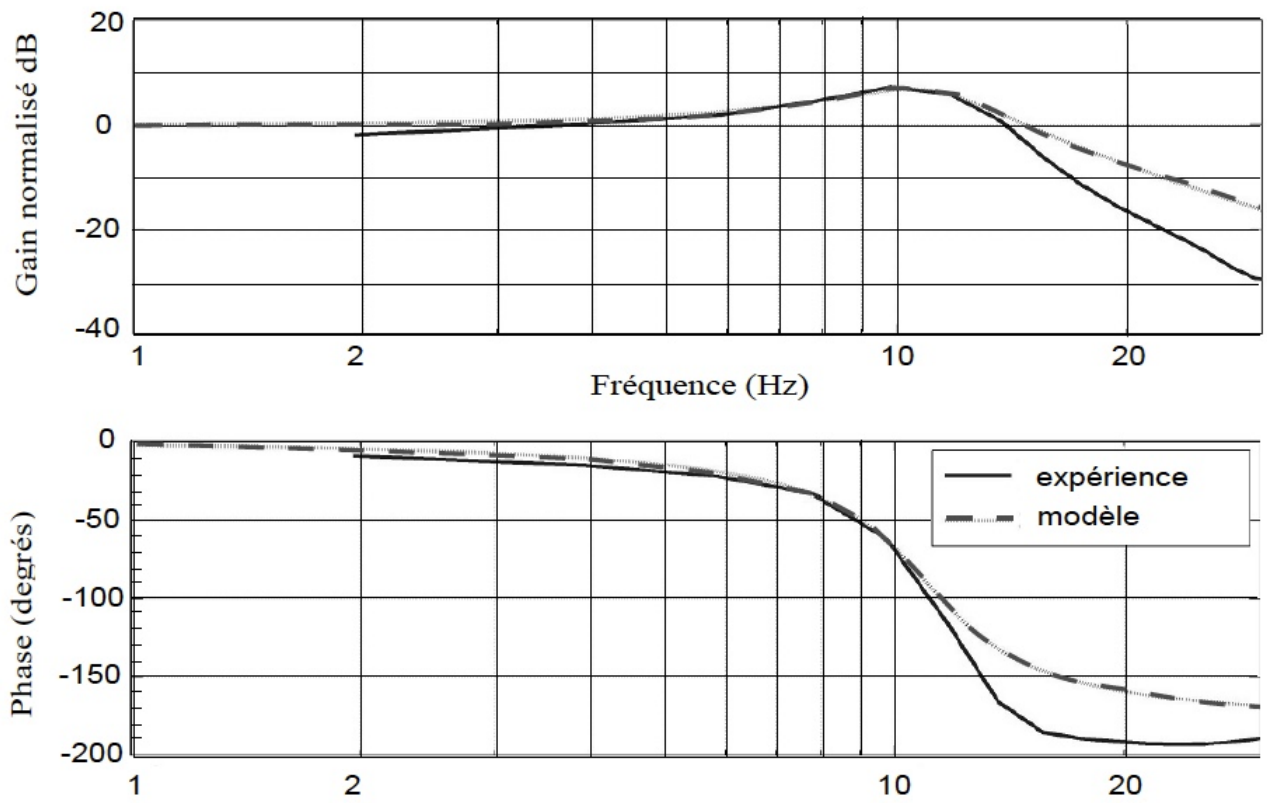
Question 6.



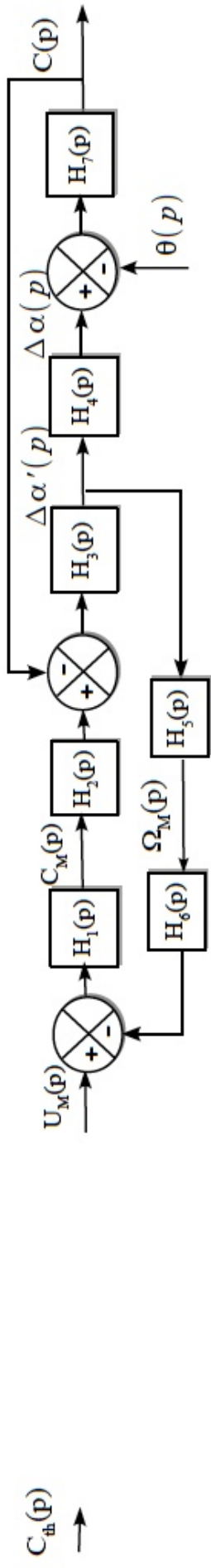
Question 8.



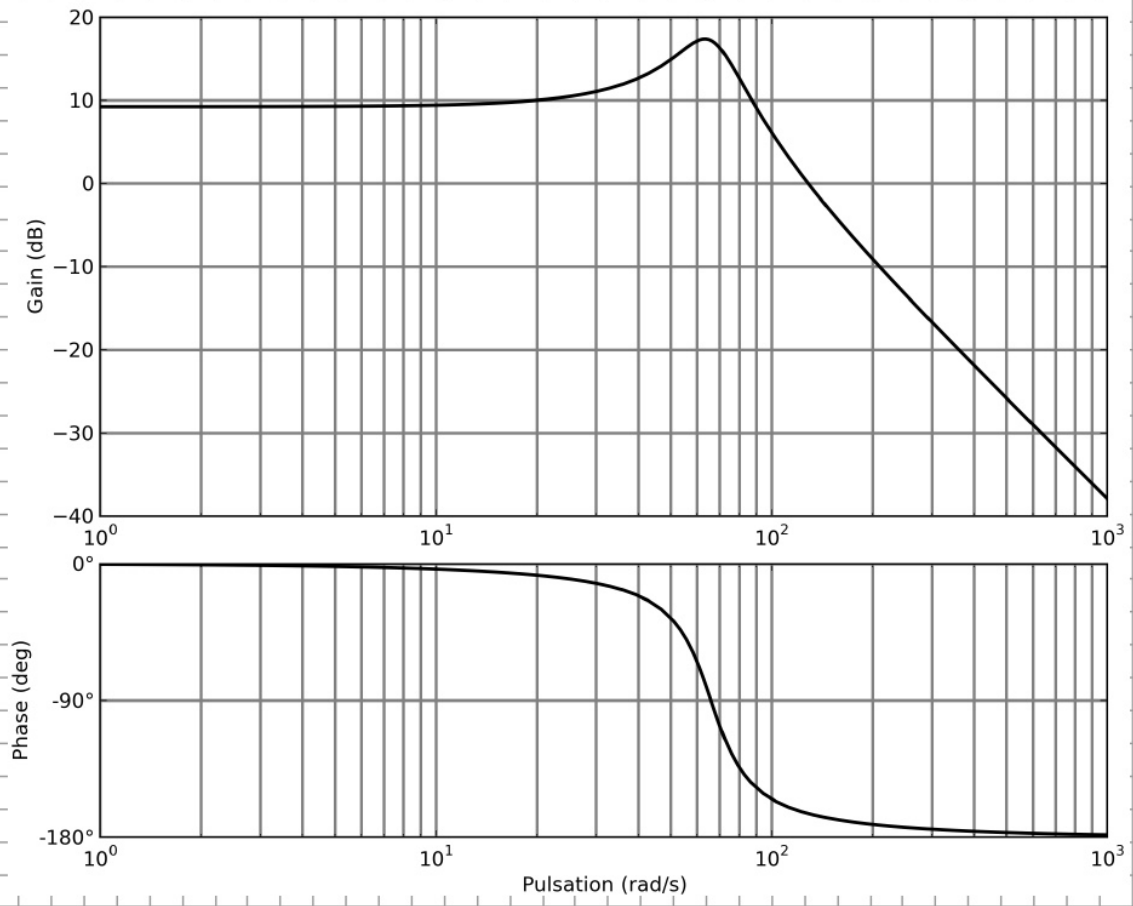
Question 18.



Question 20.



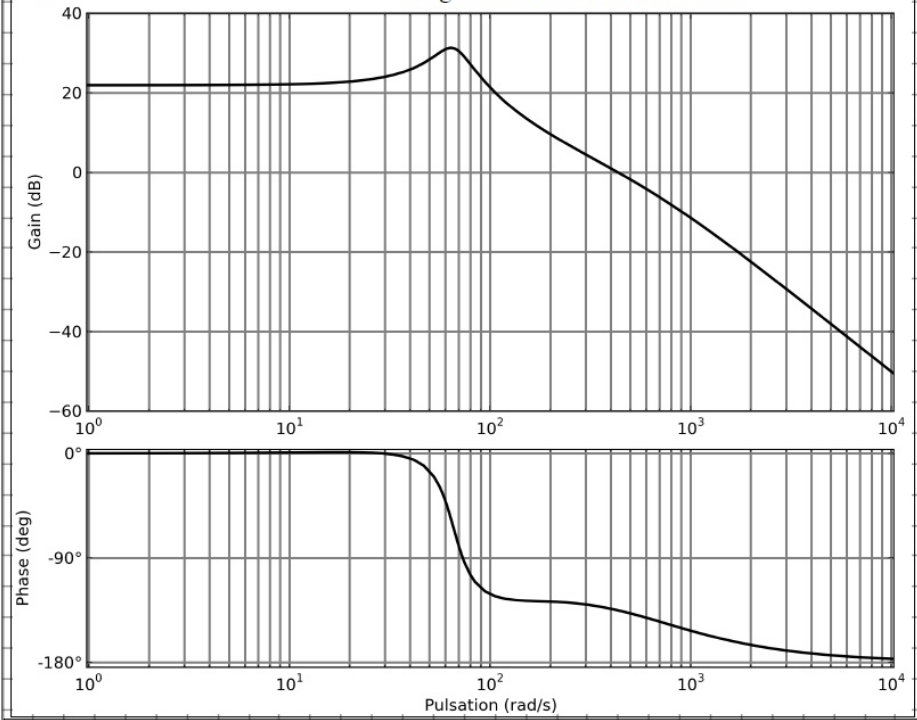
Question 22.



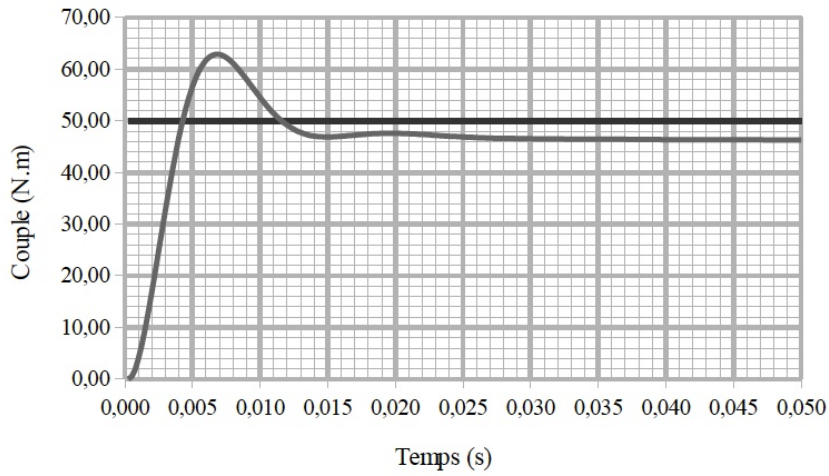


Question 24.

Diagramme de Bode de la FTBO



Réponse indicielle (Echelon de couple de 50 N.m)



Evolution de la tension de commande de la prothèse

