



### DOCUMENT RÉPONSES

NOM : .....

## PROBLÈME 2 ROBOT SPHÉRO

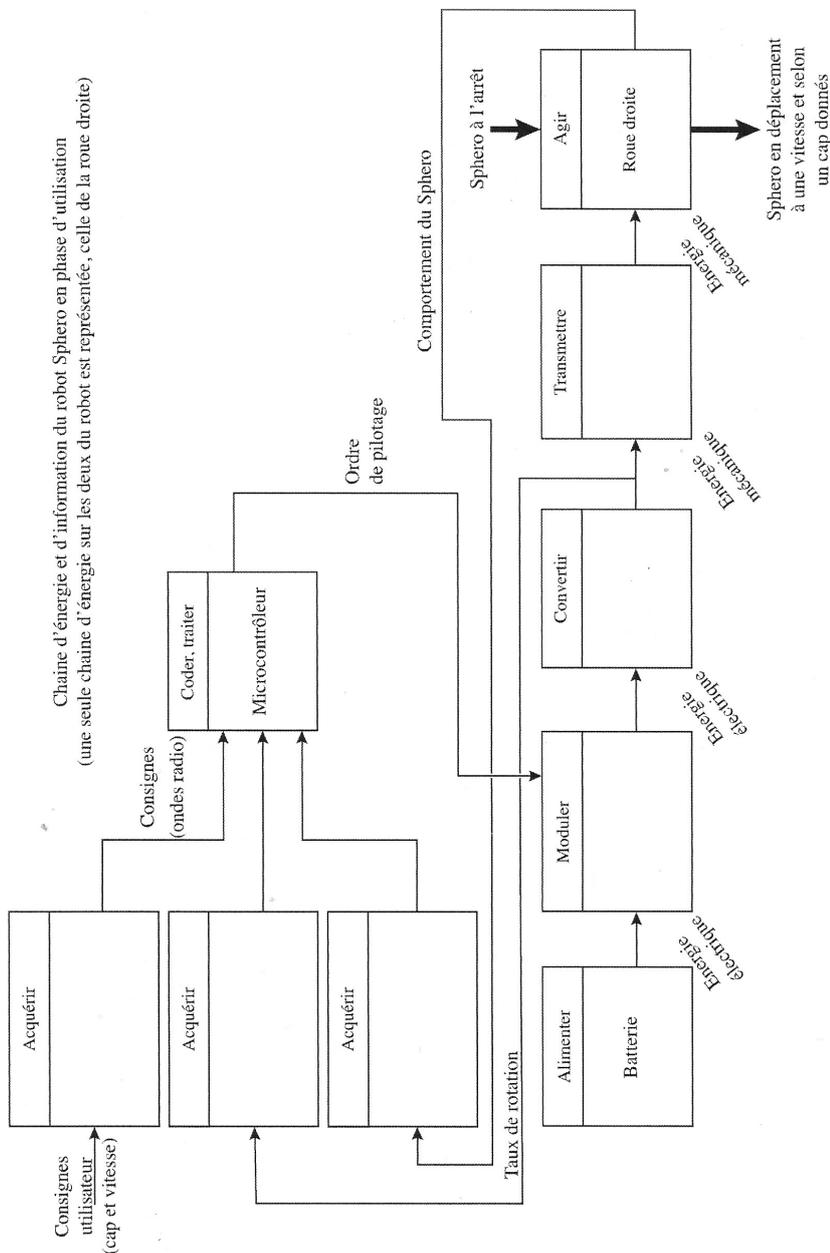


Figure A (question 10)

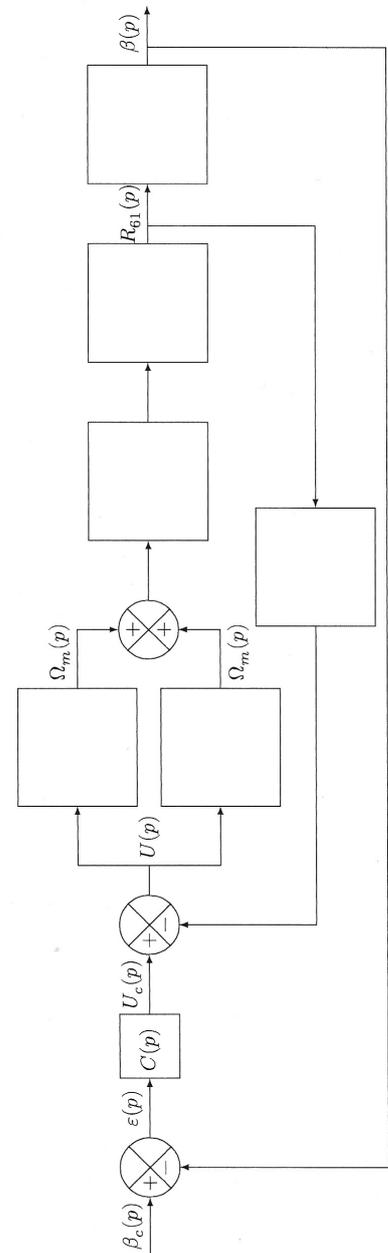
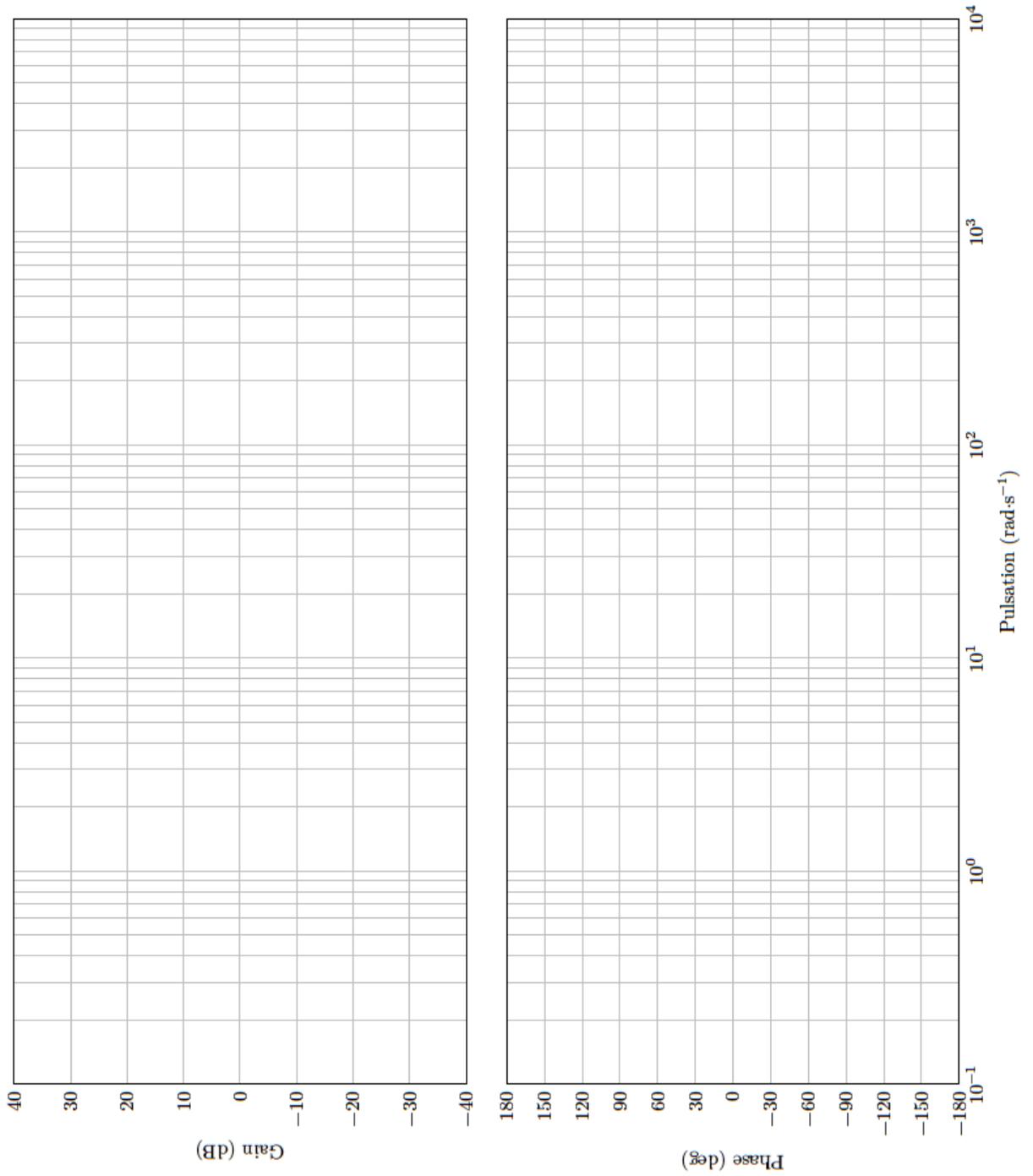


Figure B (question 30)



**Figure C** (question 34)

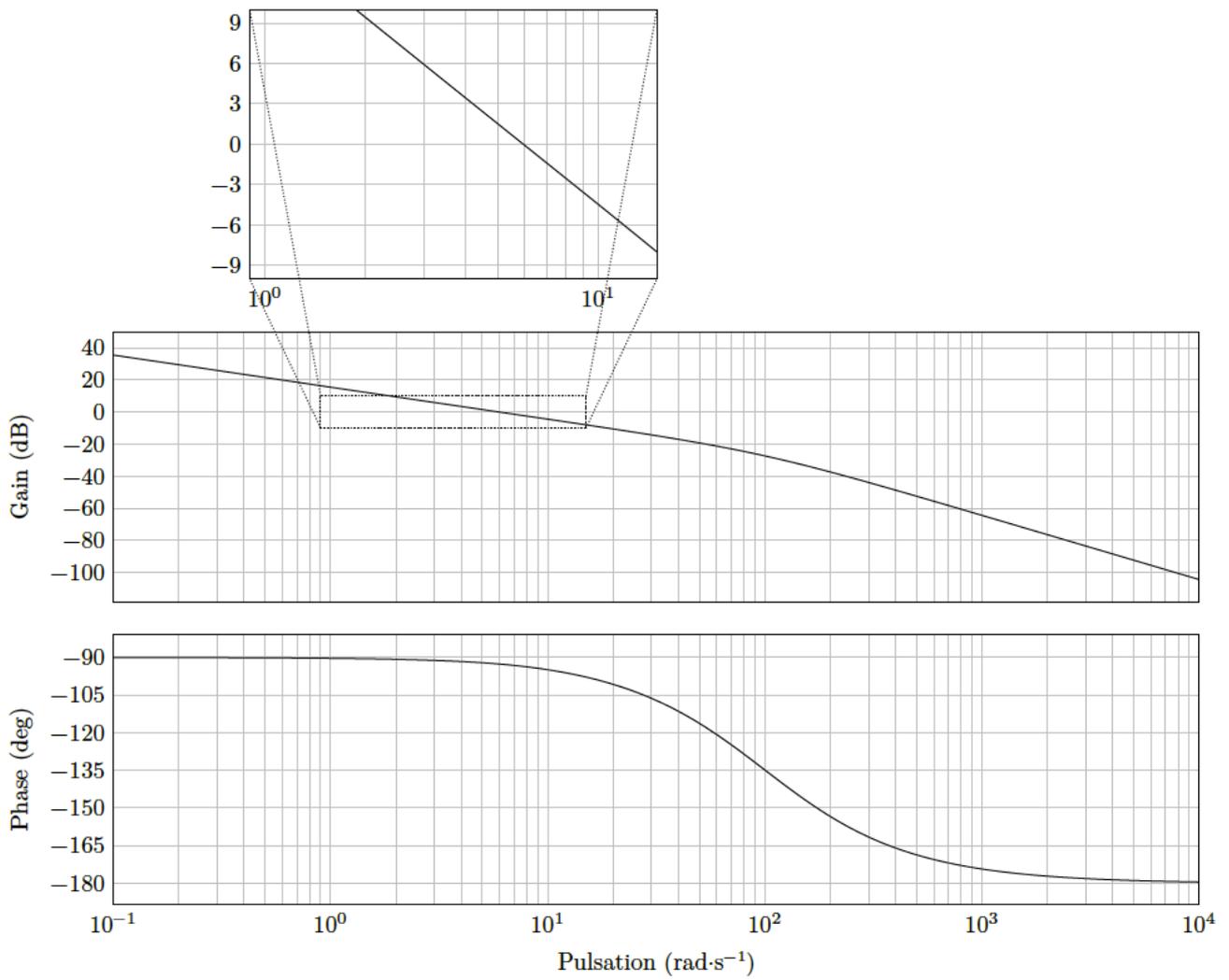


Figure 20 Diagramme de Bode en boucle ouverte pour  $K_c = 1$

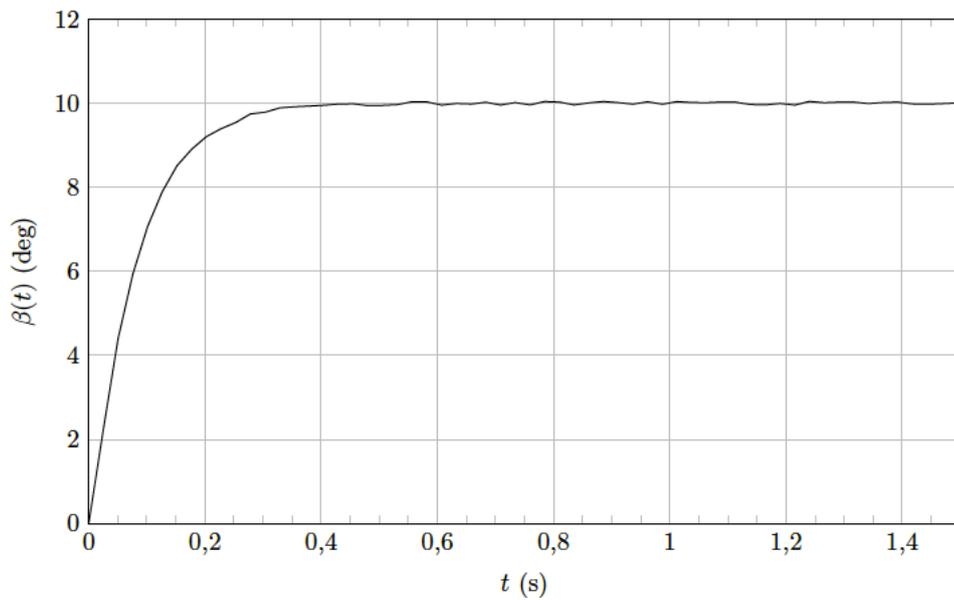


Figure 21 Réponse temporelle de la commande corrigée du Sphero pour un échelon  $\beta_c(t) = 10$  deg