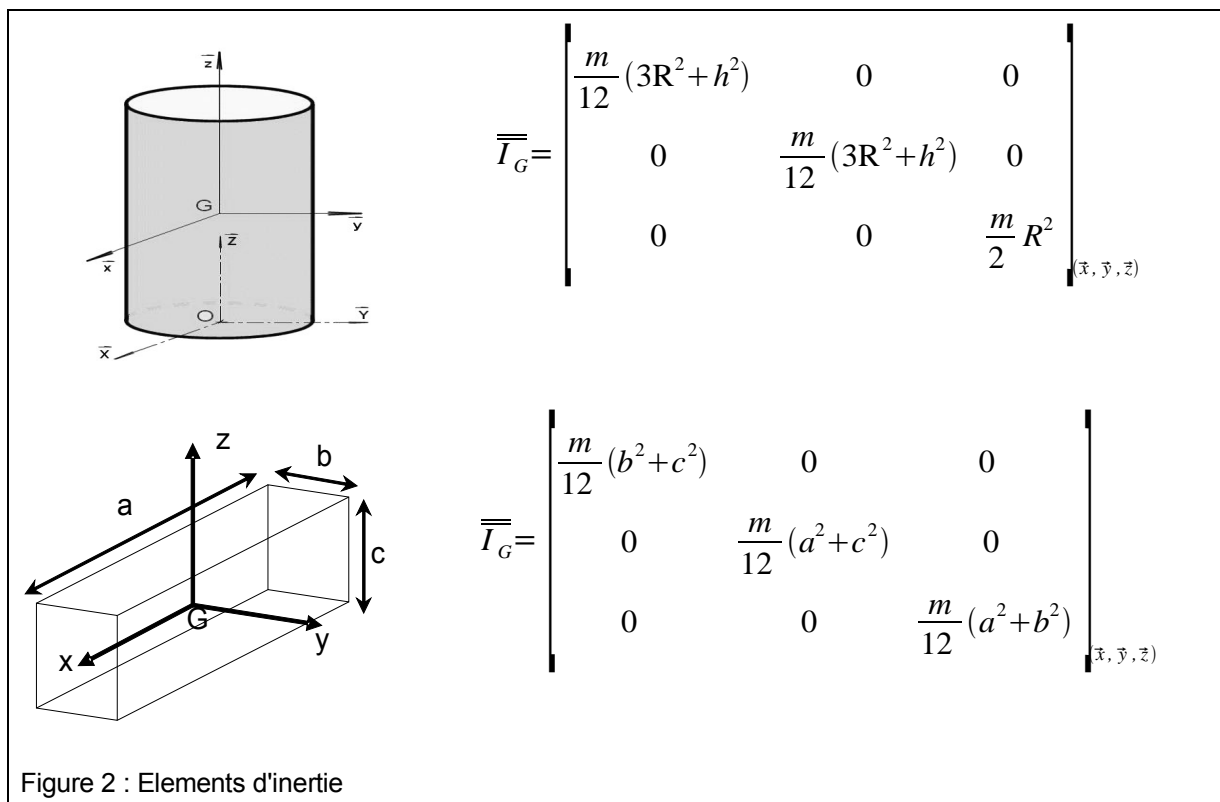
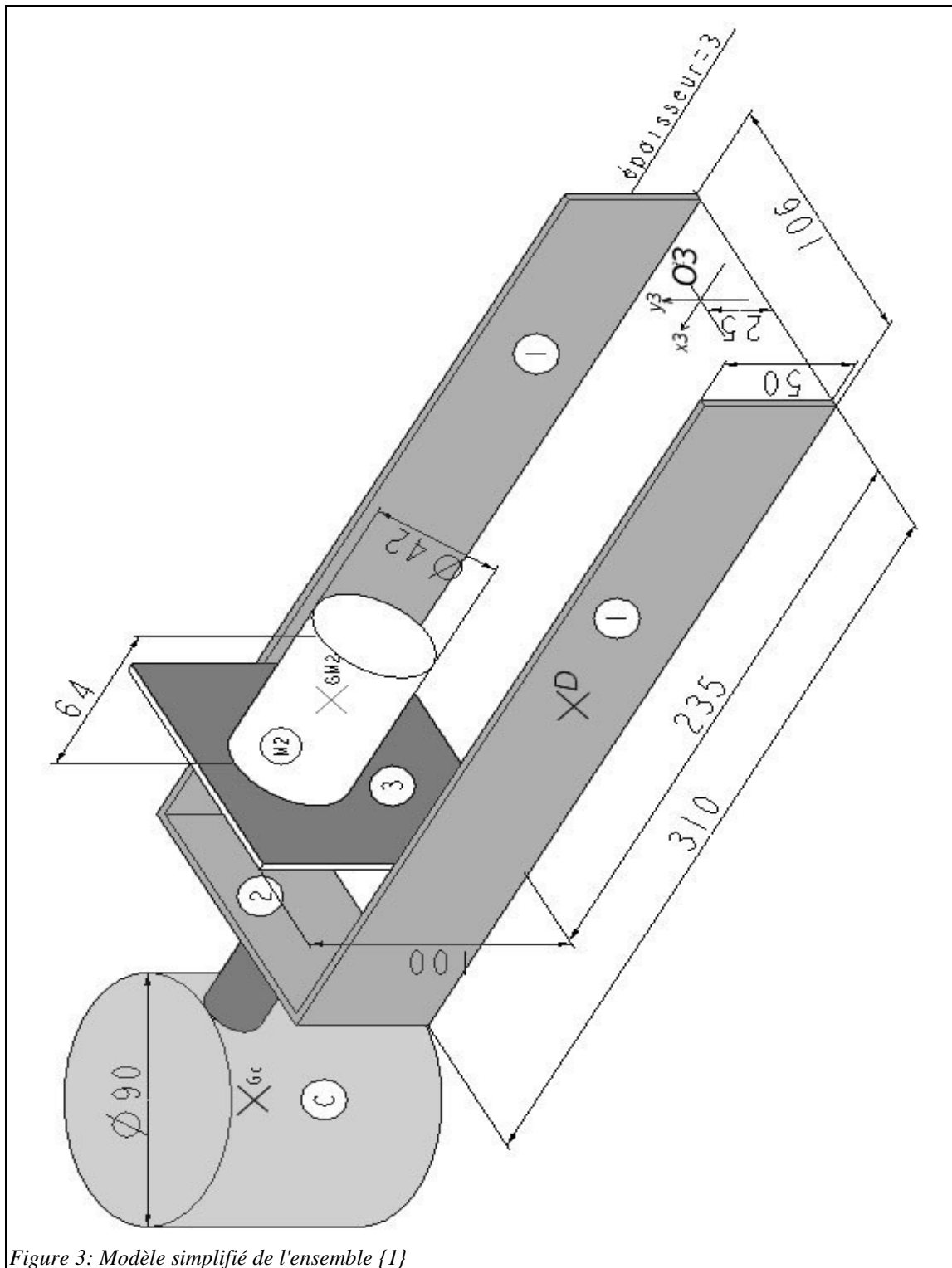


Figure 1 : Modèle cinématique plan





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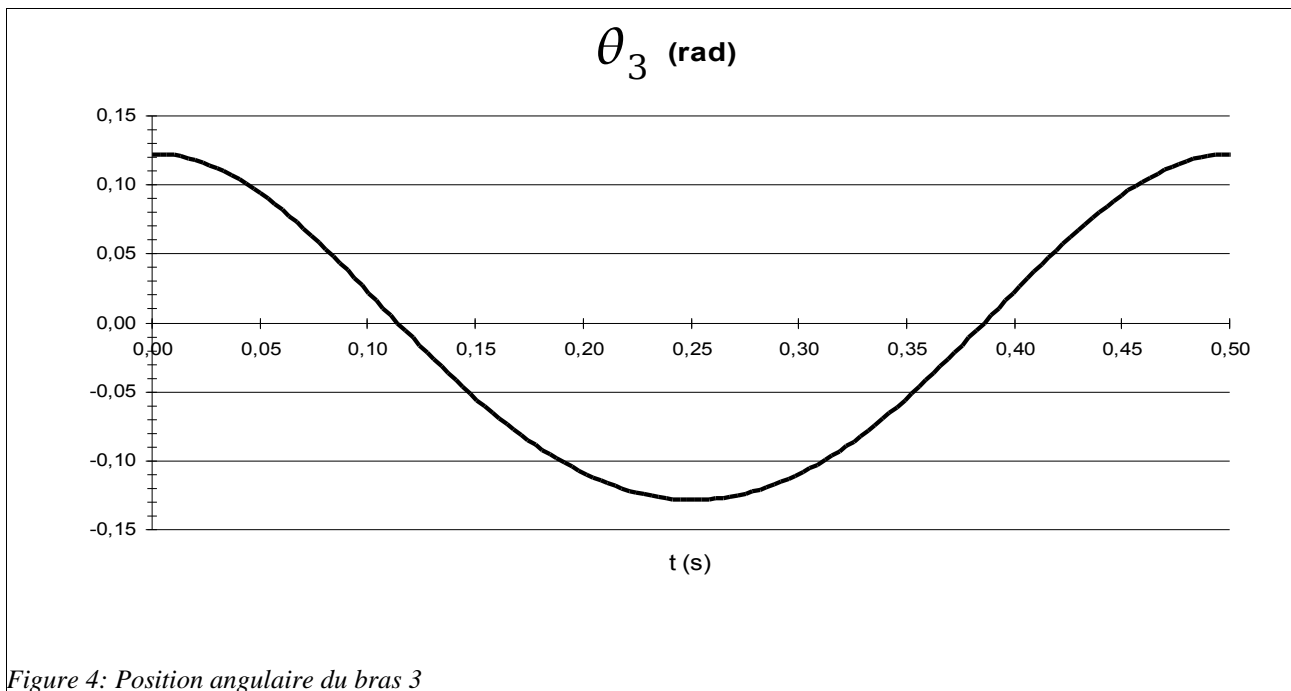


Figure 4: Position angulaire du bras 3

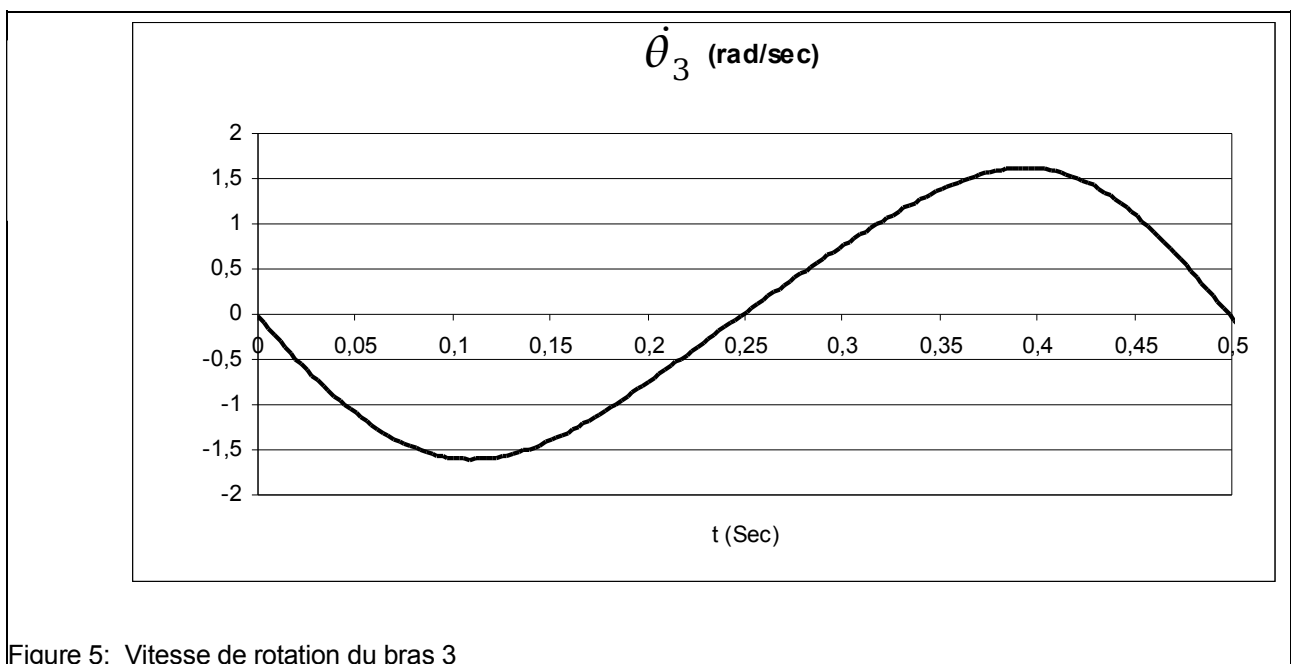


Figure 5: Vitesse de rotation du bras 3

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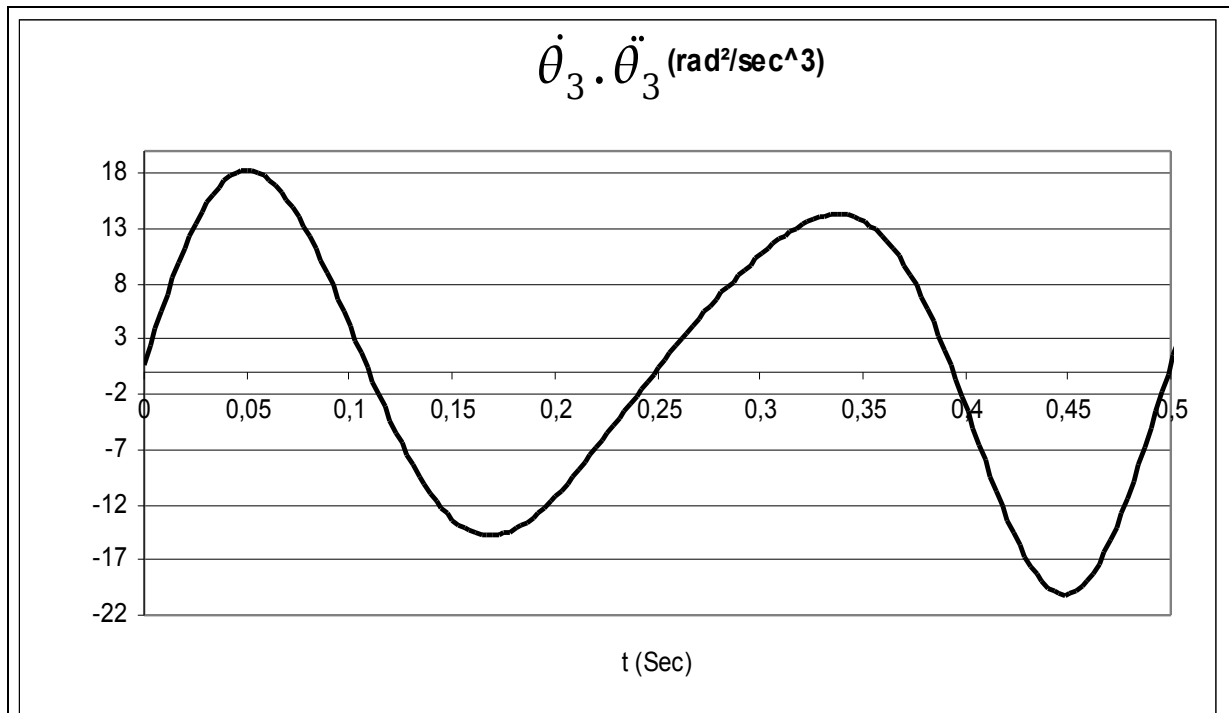


Figure 6 : produit vitesse angulaire par accélération angulaire du bras 3

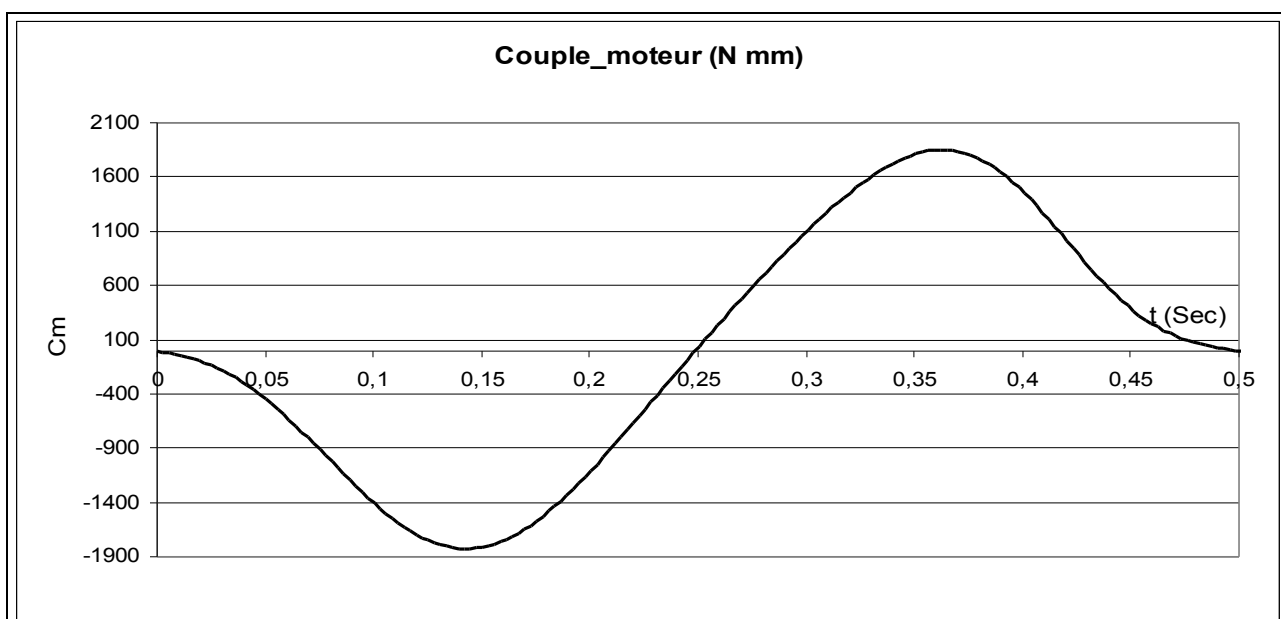
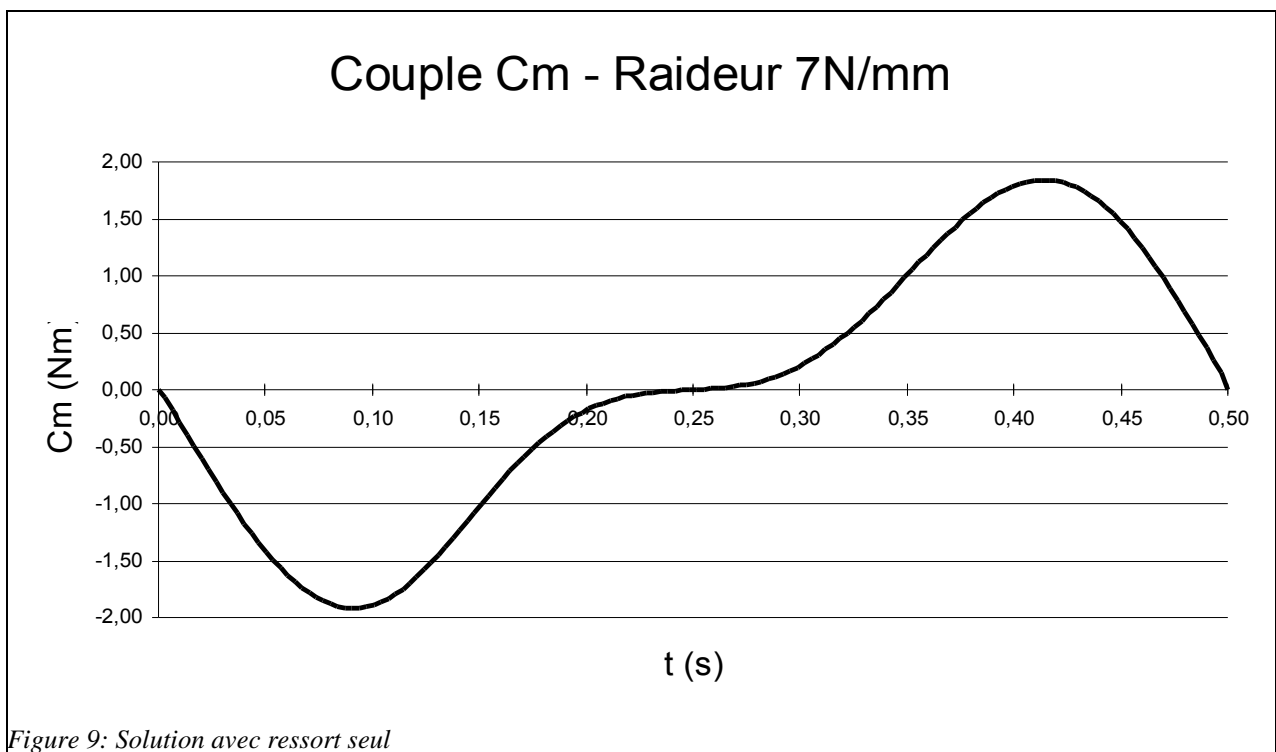
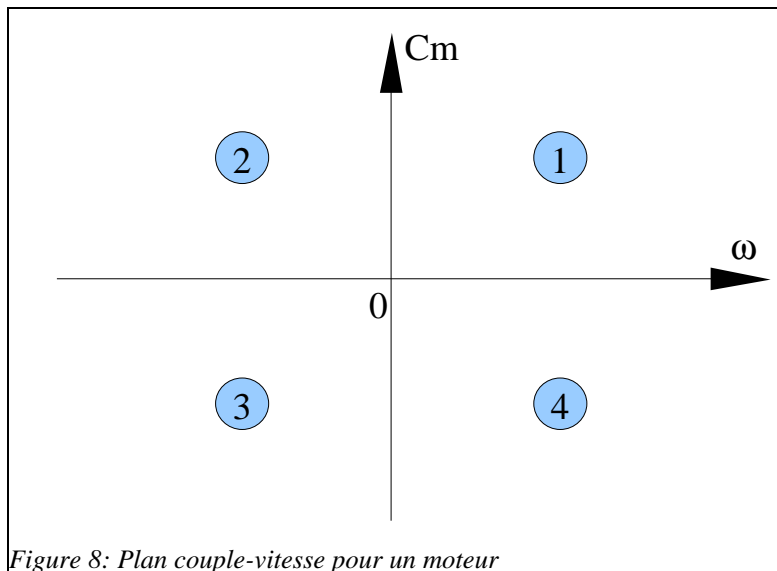
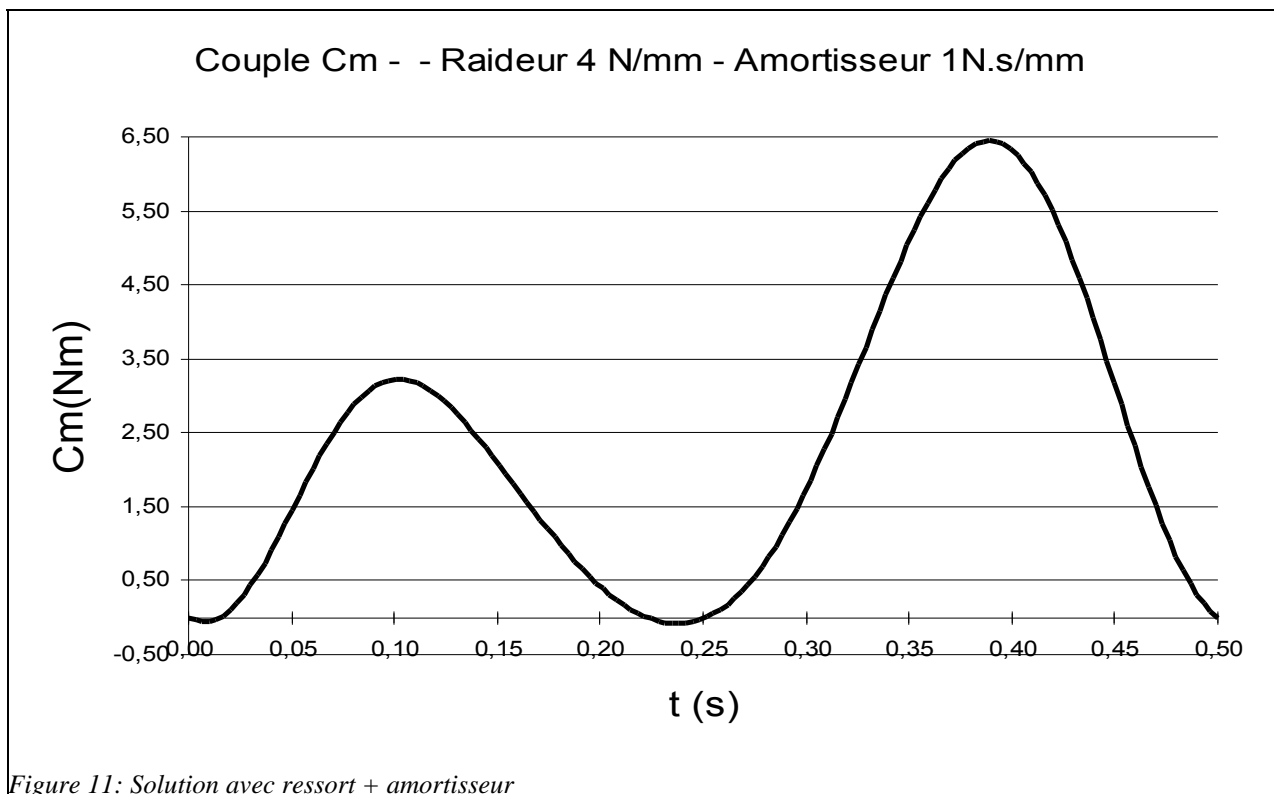
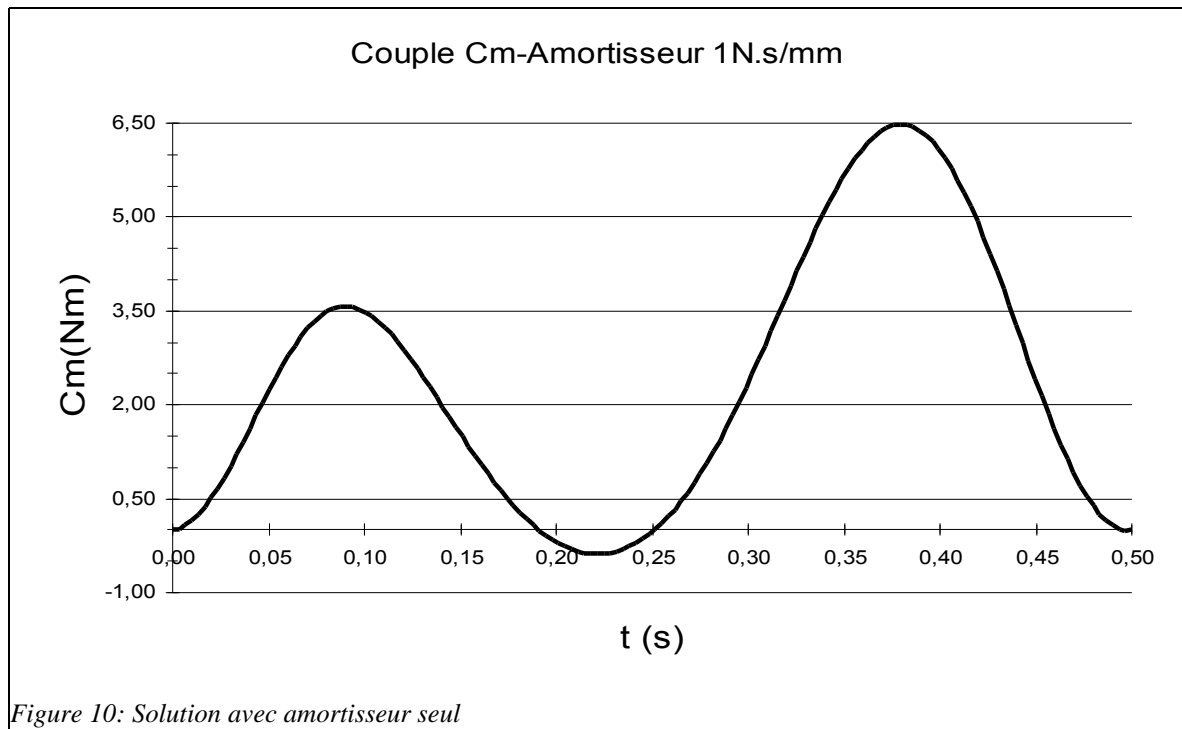


Figure 7 : Couple moteur

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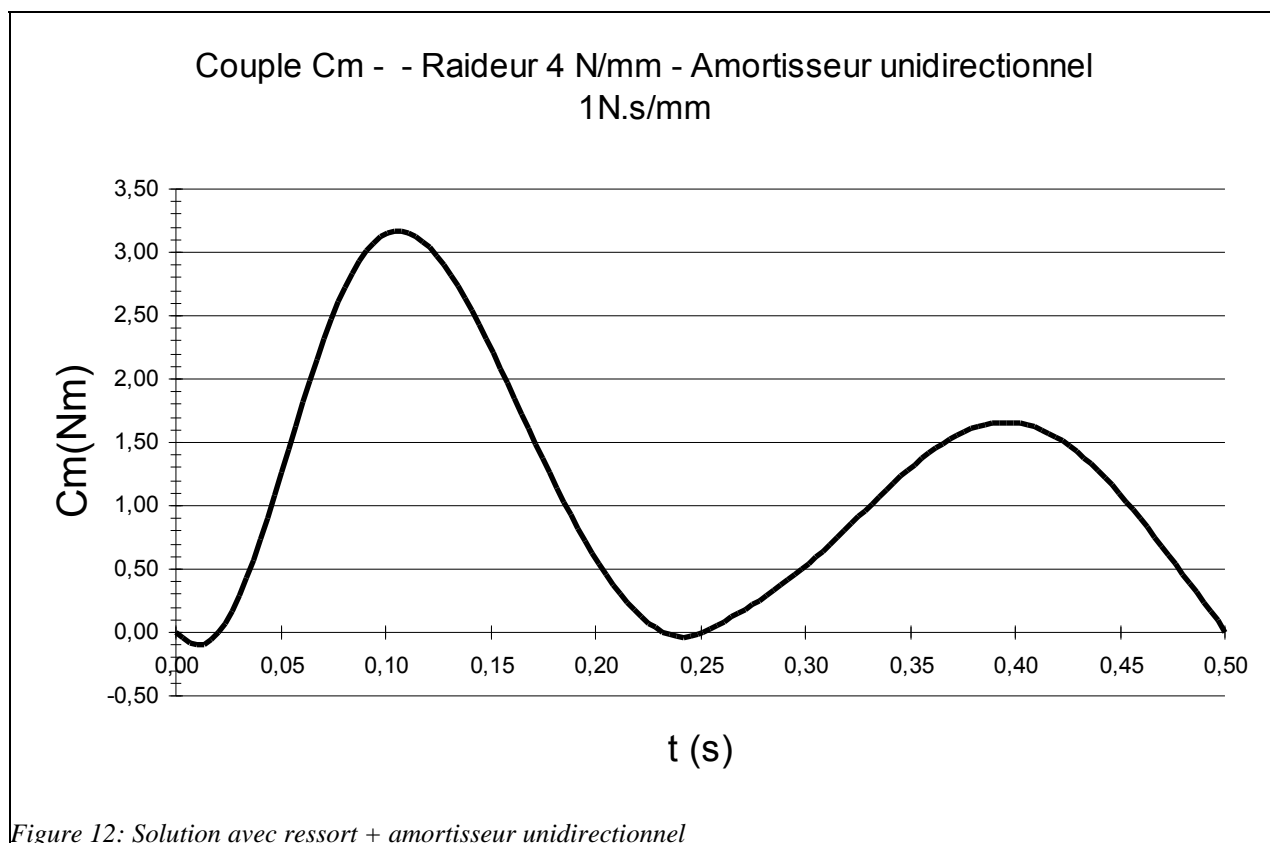


Figure 12: Solution avec ressort + amortisseur unidirectionnel

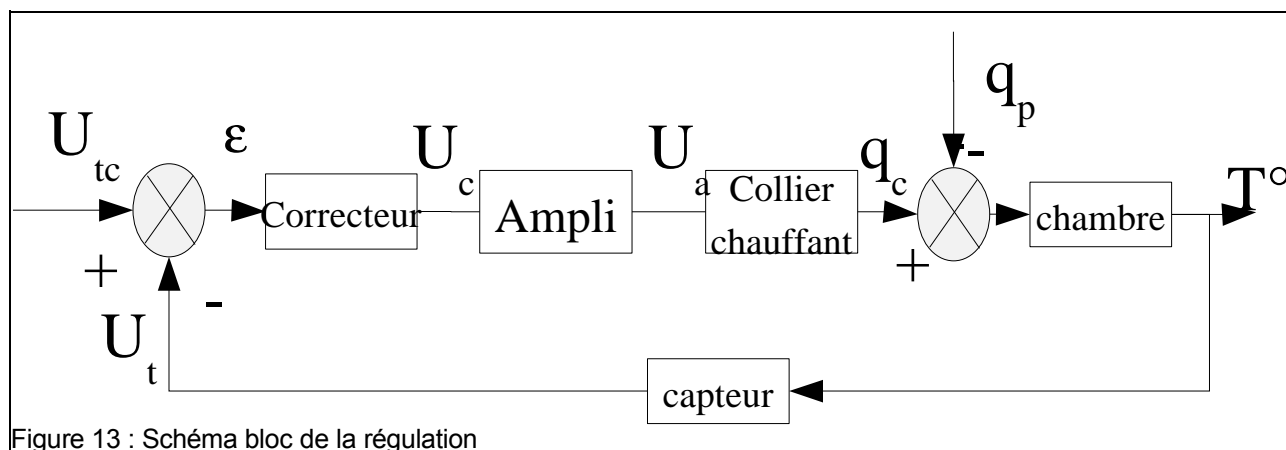


Figure 13 : Schéma bloc de la régulation

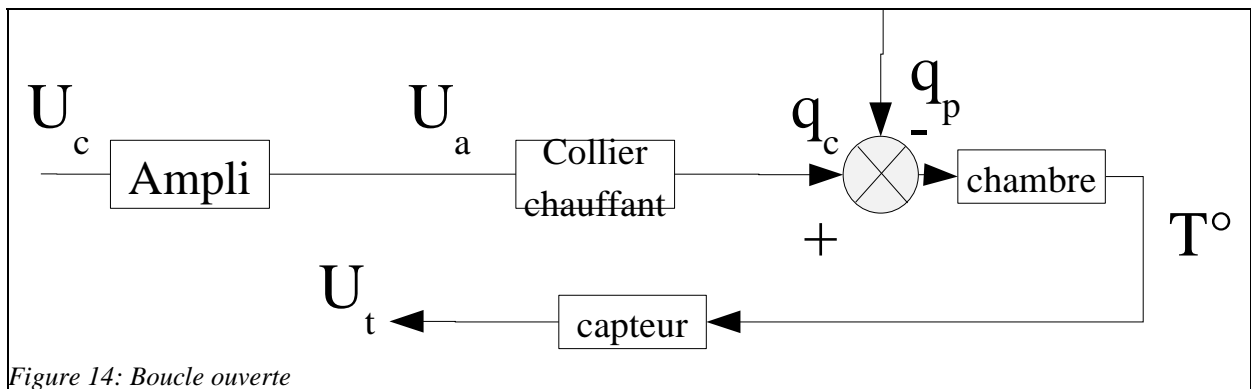


Figure 14: Boucle ouverte

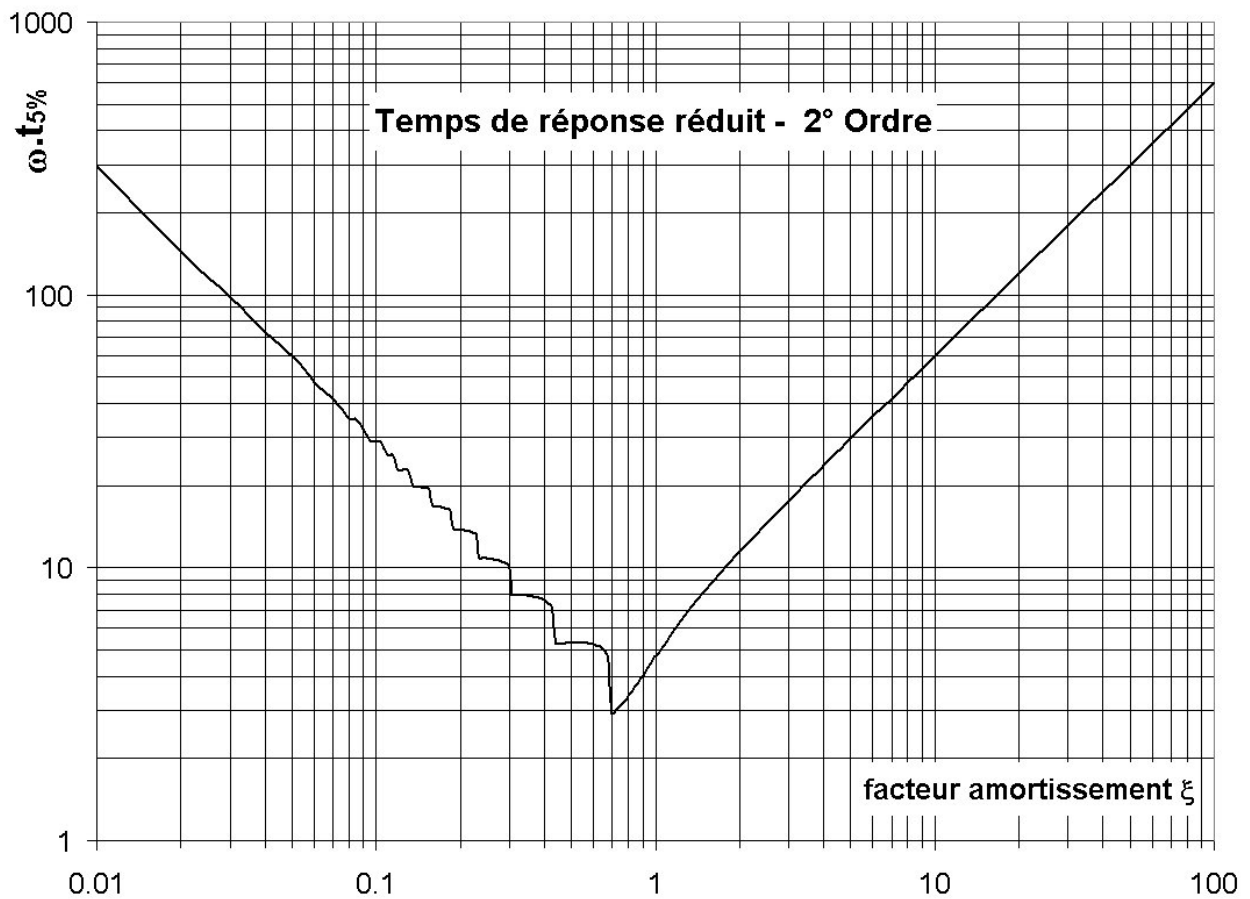


Figure 15 : Temps de réponse réduit pour second ordre