

CONCOURS ATS

SESSION 2015

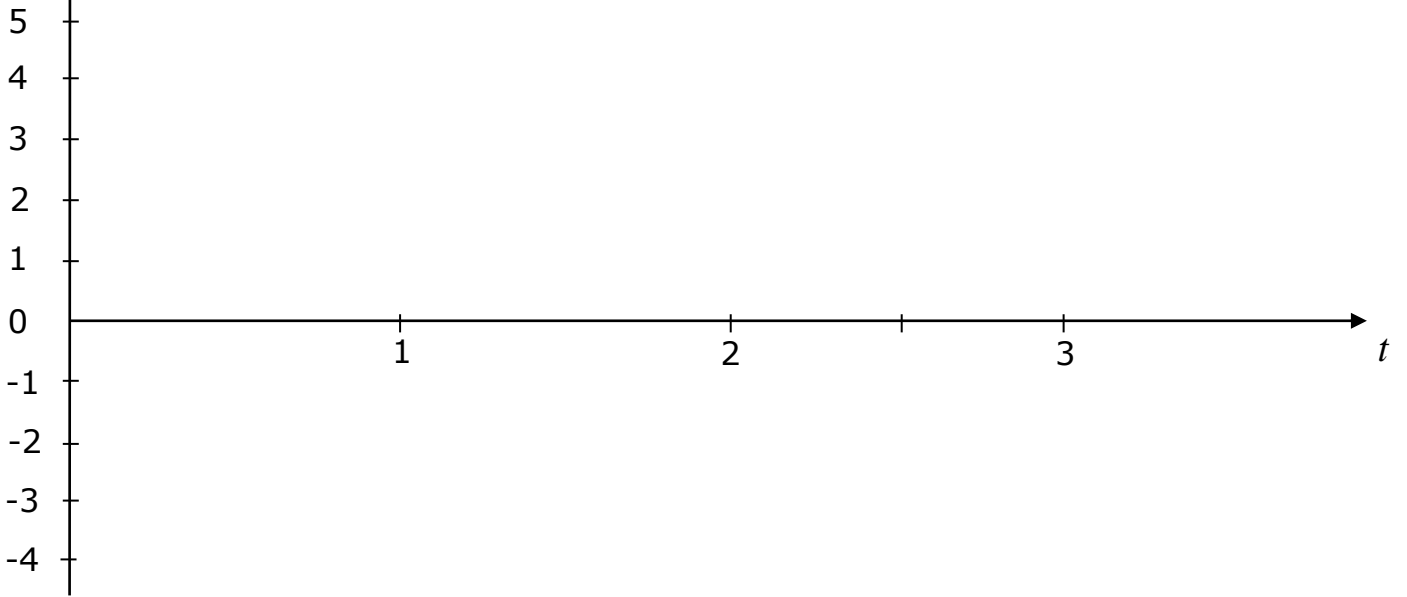
Épreuve de Sciences Industrielles

Documents-Réponses 1, 2 et 3

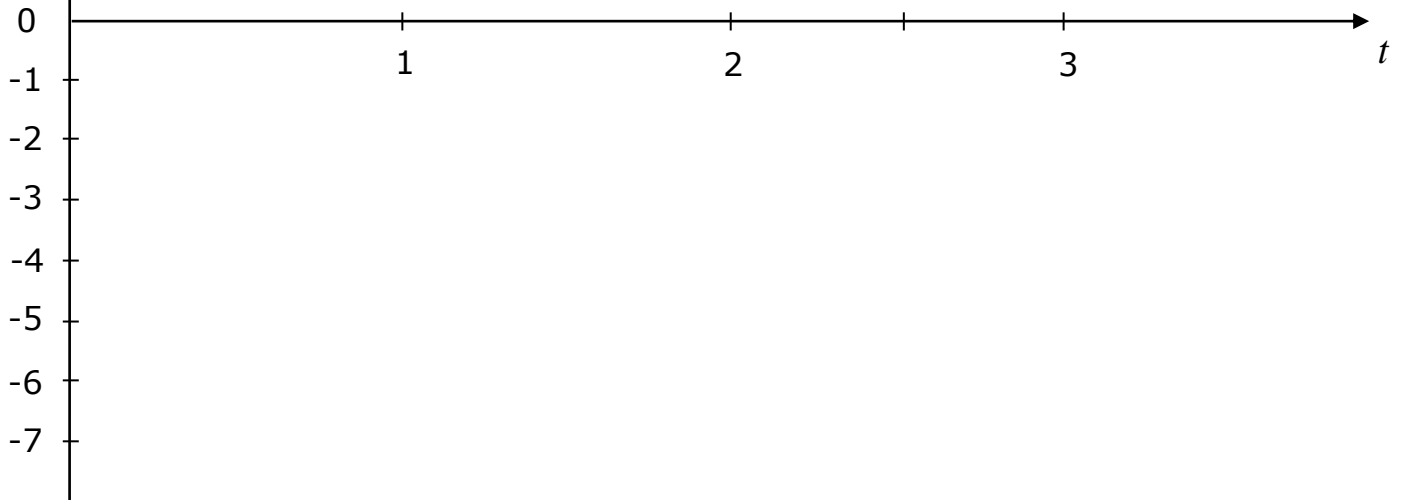
Document réponse 1

$\gamma_d(t)$
($\text{m}\cdot\text{s}^{-2}$)

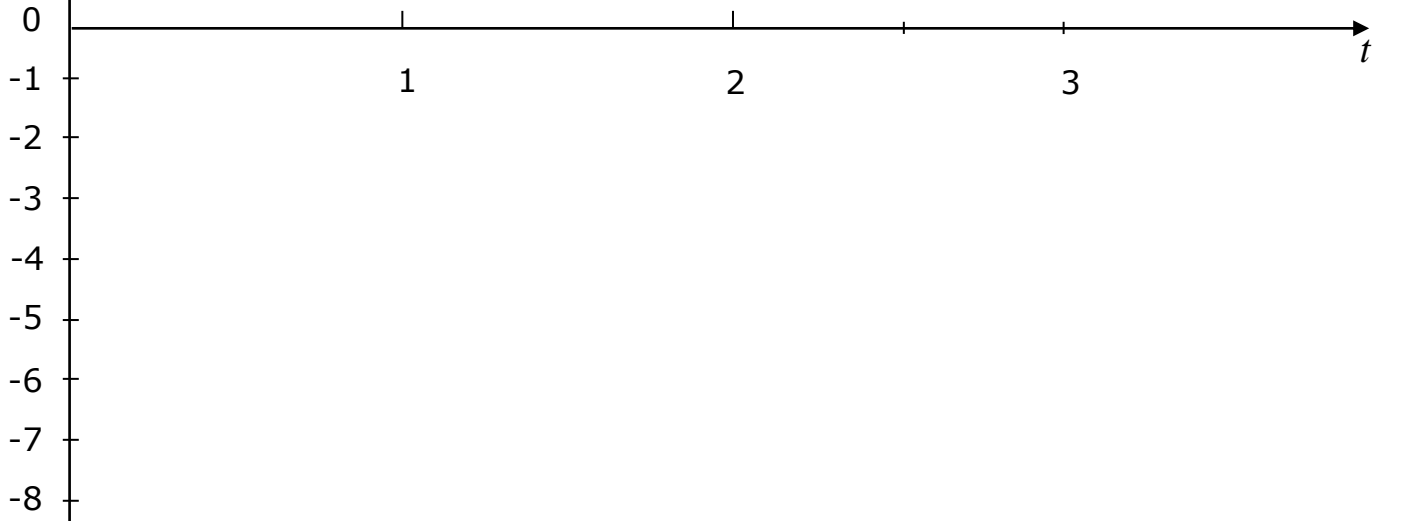
Q6.



$v(t)$
($\text{m}\cdot\text{s}^{-1}$)

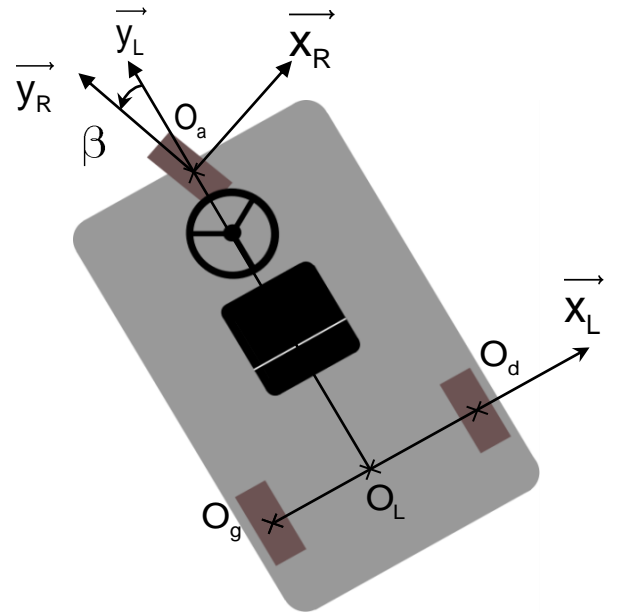


$\lambda(t)$
(m)



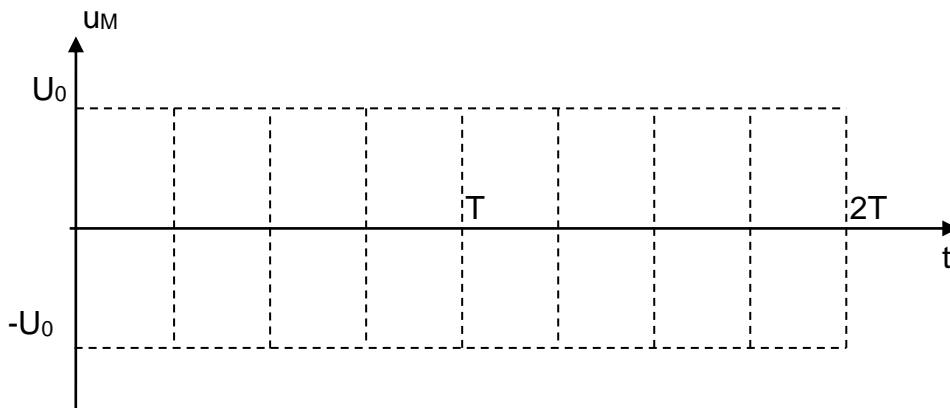
Document réponse 2

Q10.



Document réponse 3

Q16.



Q17.

Ω_{moteur}	α
0	$\alpha = \dots\dots$
>0	$\dots \leq \alpha < \dots$
<0	$\dots < \alpha \leq \dots$

Q18.

Variables : α : entier non signé
enable : booléen

DEBUT

```
// initialisation des variables  
alpha <- 0 ;  
enable <- 0 ;  
Tant que (1) Faire  
    // activation du composant  
    enable <- 1 ;  
    // réglage de la vitesse  
    alpha <- -128
```

Fin (tant que)

FIN

CONCOURS ATS

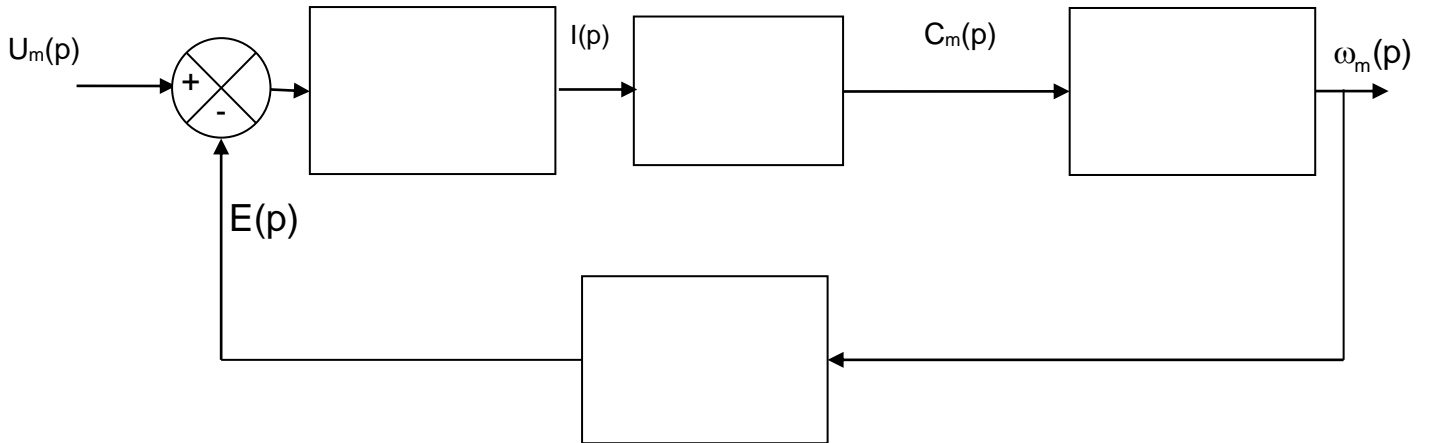
SESSION 2015

Épreuve de Sciences Industrielles

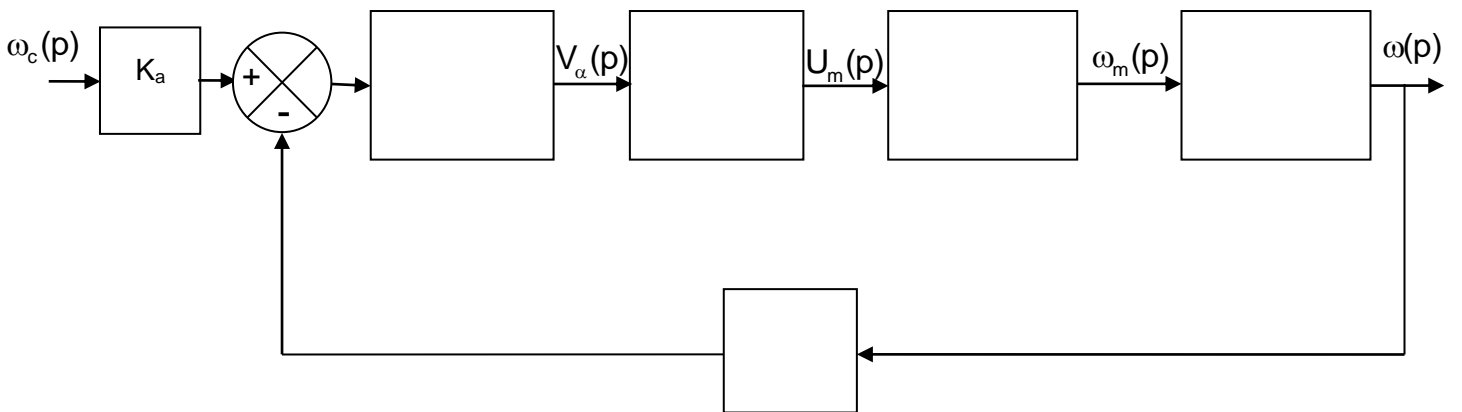
Documents-Réponses 4 et 5

Document réponse 4

Q31.



Q34.



Document réponse 5

Q40.

