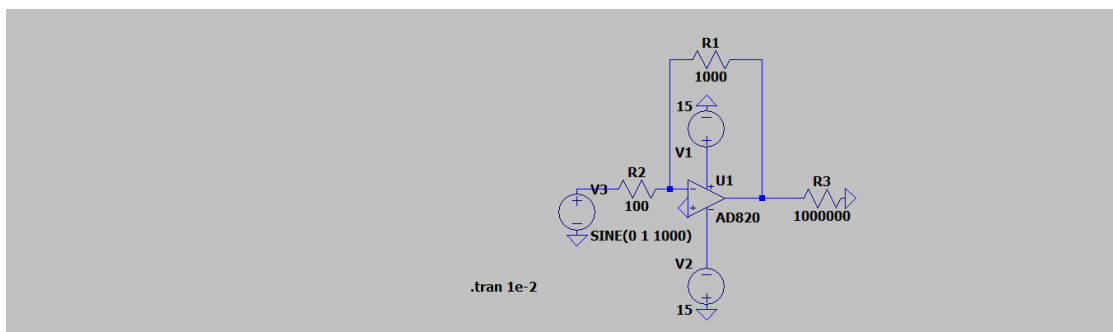
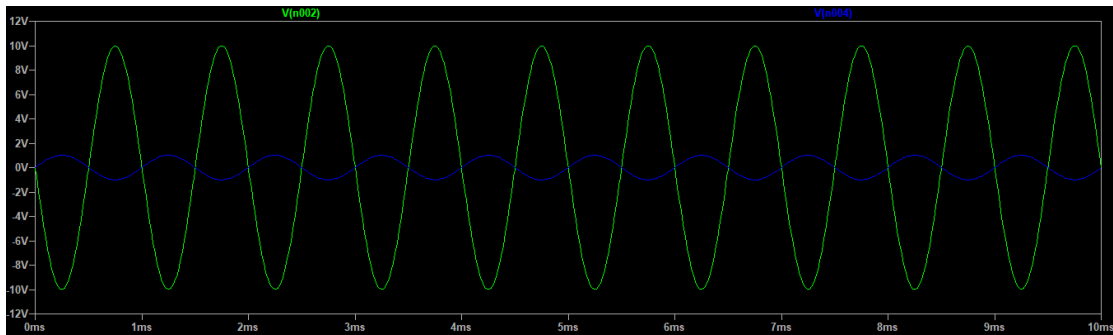
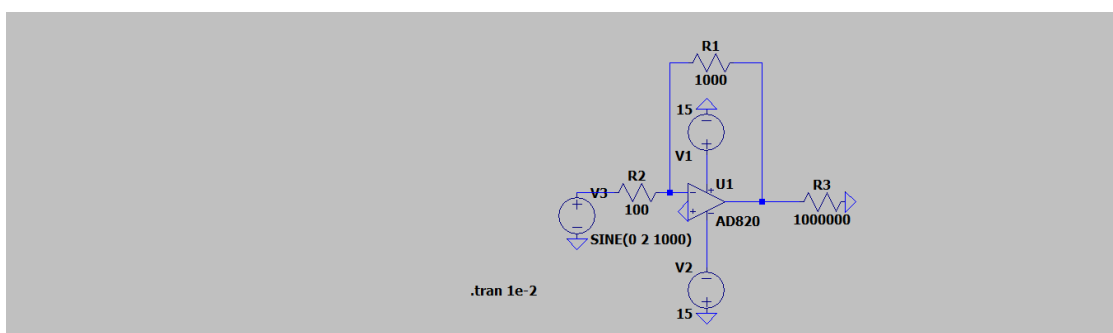
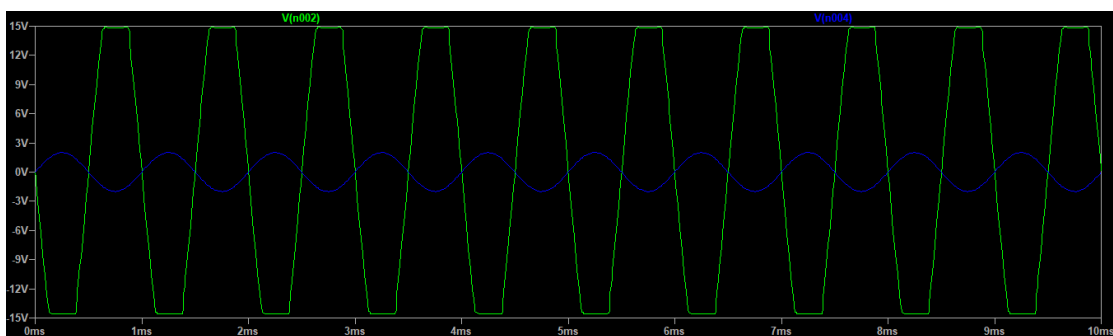


1. Étude statique

1.

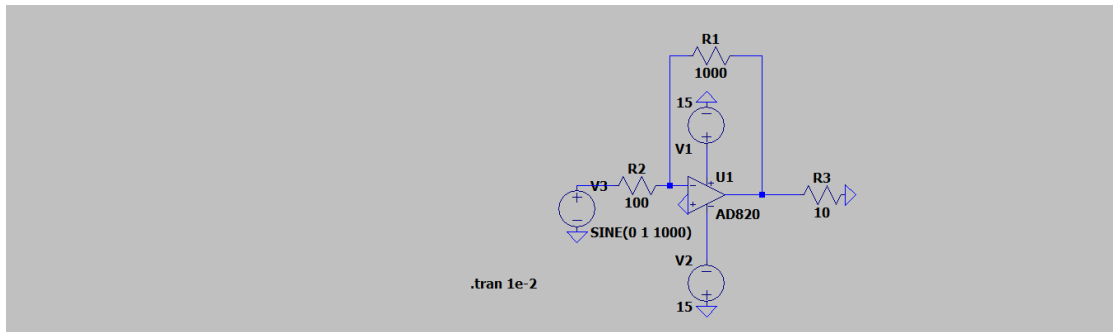
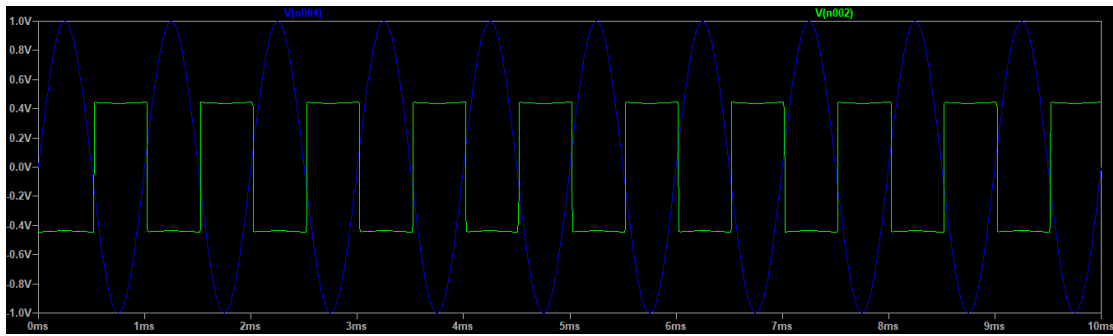


2.



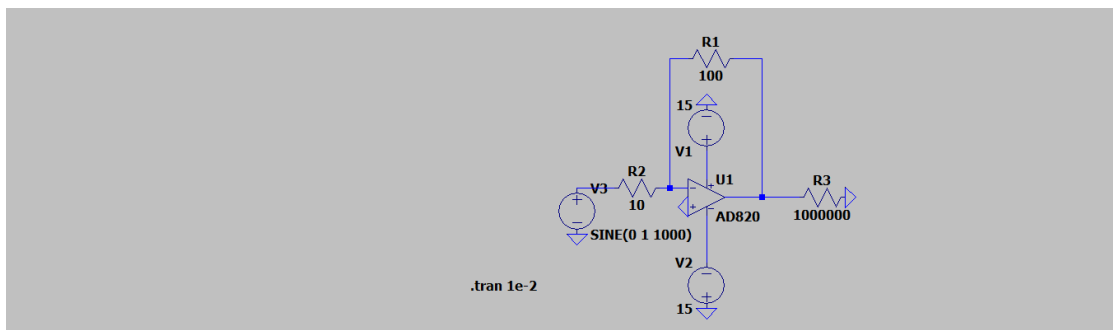
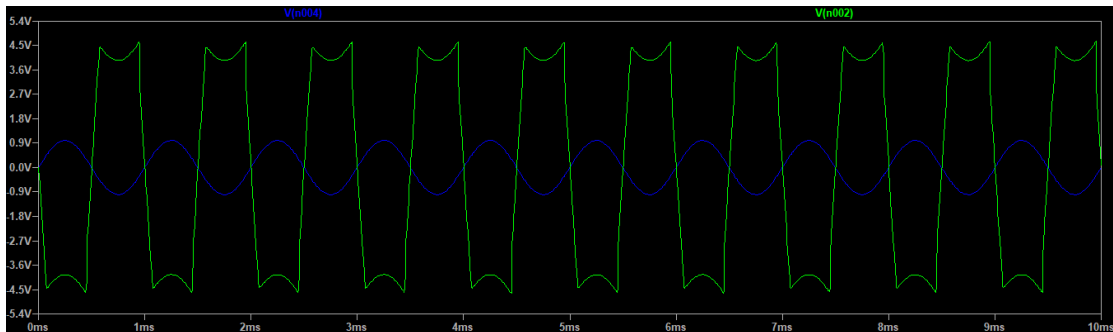
Oui, elle est cohérente.

3.



Le courant maximal de sortie est 45mA. Cette valeur correspond à Short-Circuit Current dans la fiche technique

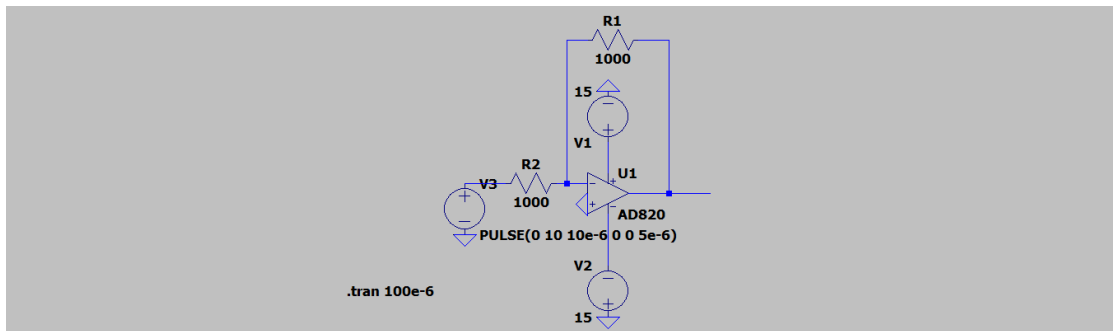
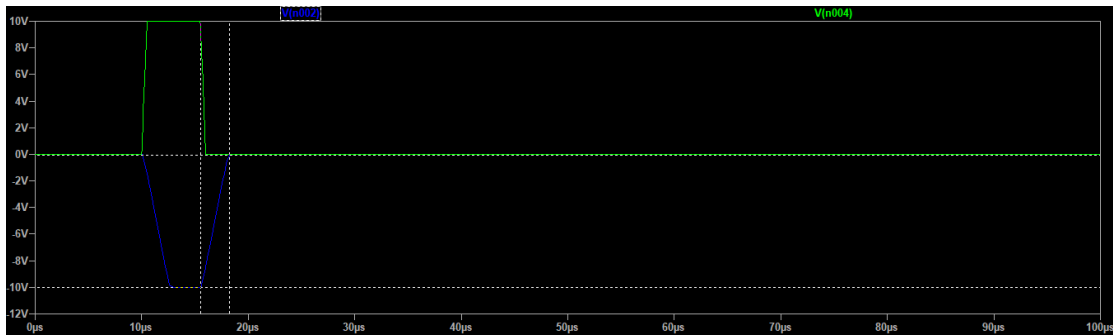
4.



Parce que G ne change pas. Mais on a déjà su que le courant maximal de sortie est 45 mA. Donc la tension maximale de sortie est environs $45\text{mA} \cdot 100\Omega = 4.5\text{V}$.

2. Étude dynamique

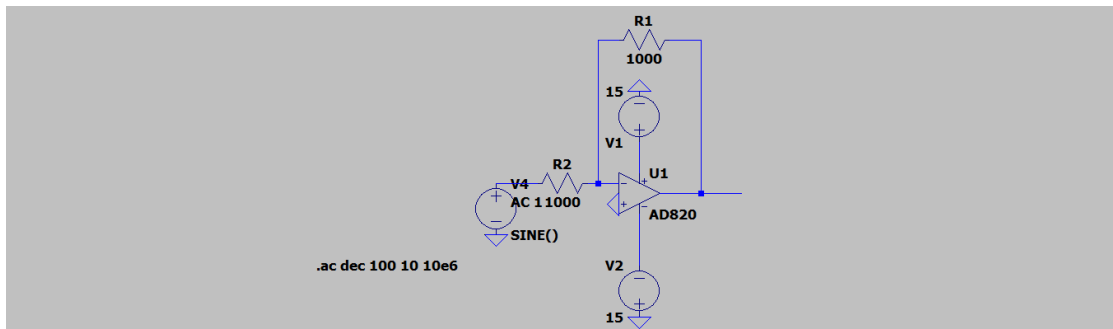
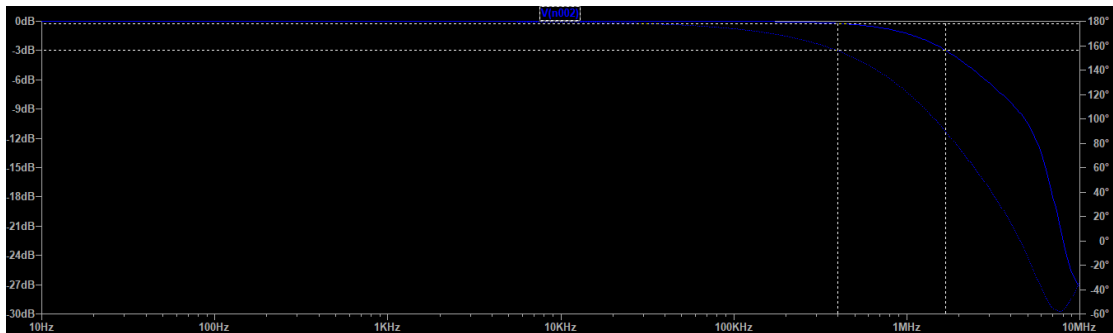
5.



On estimer $slew\ rate \approx \frac{0 - (-10)}{18.238 - 15.533} = 3.697\ V/\mu s$

Dans la fiche, il est $3\ V/\mu s$

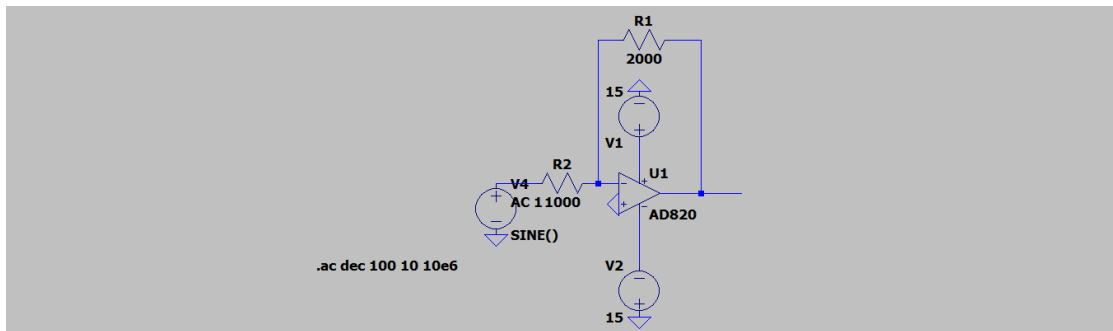
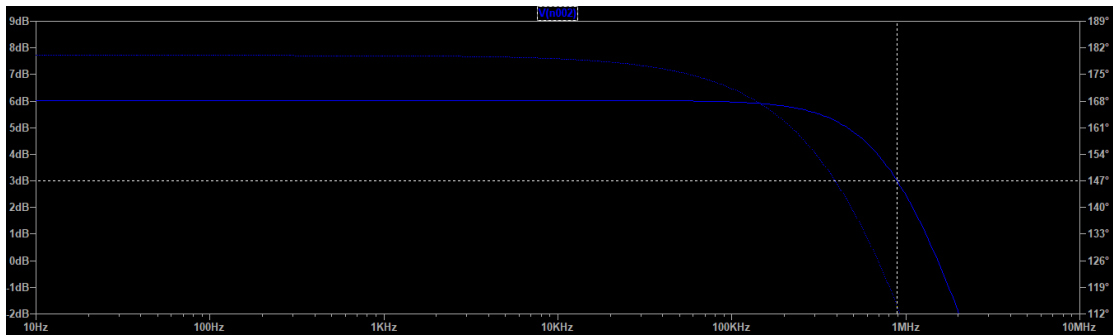
6.



On estime $bande\ passante = 1.676\ MHz$

Dans la fiche, il est $1.8\ MHz$

7.



On estime *bande passante* = 900KHZ
Alors le produit gain-bande est constant.

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