Assignment 5

The due date for submitting this assignment has passed.
As per our policy, you have not submitted this assignment.

Due on 2020-03-04, 23:09 IST.

1. Determine the value of C in pF.

2. Determine the value of the unity-gain frequency in MHz.

3. Determine the corner frequency in kHz.

4. Determine the position of the dominant pole in kHz.

5. Determine the position of the non-dominant pole in kHz.

6. Determine the position of the non-dominant zero in kHz.

7. Determine the value of closed loop bandwidth in MHz.

8. The output of Figure 1 (with Miller compensation value y2, as given in (1) above) is now used in unity gain configuration as shown in Figure 3. Determine the phase margin _______ Degree

9. Determine the closed loop bandwidth for the circuit in Figure 3, is now increased to ______ MHz.

10. Determine the phase margin for the 2n amplifier case _______ Degree

11. Determine the phase margin for the unity-gain amplifier case _______ Degree

12. The output of Figure 1 (with Miller compensation value y2, as given in (1) above) is now used in unity gain configuration as shown in Figure 3. Determine the phase margin _______ Degree