

Microelectronics Circuit Analysis and Design

Homework(13rd)

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Nov 3rd, 2023

1. Consider the feedback circuit in Figure 1.

① Determine the feedback configuration and polarities, and you must label the instantaneous polarities in the figure.

② Determine the effects of the feedback on the input resistor and the output resistor, and explain the output current or voltage tends to be stabilized.

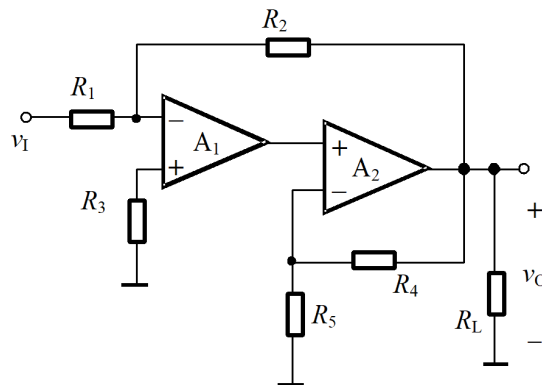


Figure 1: Problem 1

2. The feedback circuits are shown in Figure 2. All capacitors act as short circuit to the sinusoidal signal.

① Determine the feedback configuration and polarities, and you must label the instantaneous polarities in the figure.

② Determine the effects of the feedback on the input resistor and the output resistor, and explain the output current or voltage tends to be stabilized

