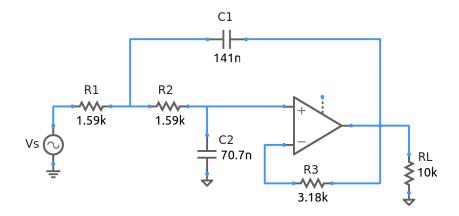
low_pass_filter_1.sqproj



Exercise Set

- 1. Simulate the circuit. Plot the magnitude frequency response (log-log plot) and the phase frequency response (log-linear plot). Comment on the functionality of this filter circuit. What is the cut-off frequency? What are the gain and phase at the cut-off frequency?
- 2. How will the filter response change if the capacitance values are doubled? Verify with simulation.
- 3. Study the response of this filter circuit in the time domain (see low_pass_filter_trns_1.sqproj).

References:

1. J. M. Fiore, Op amps and linear integrated circuits, Delmar, 2001.