Modified Circuit

- L1: 1mH
- R1: 2k
- R2: 2k
- R3: 2k
- R4: 2.2n
- 5V

Currents:
- i_1
- i_2
- i_3

V1 and V2 are the voltage nodes of the circuit.
Load Equivalent Impedance

\[ Req \text{ and } Ceq \] may need to be a combination of components to obtain the correct real and imaginary components of the equivalent impedance.