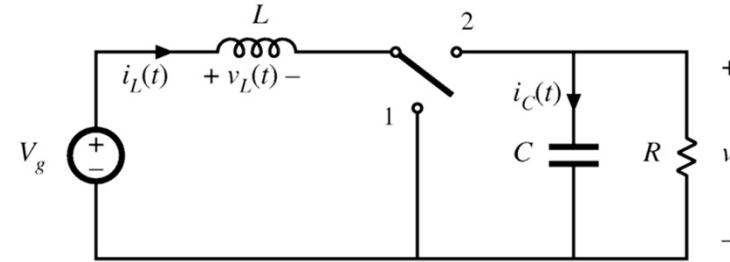
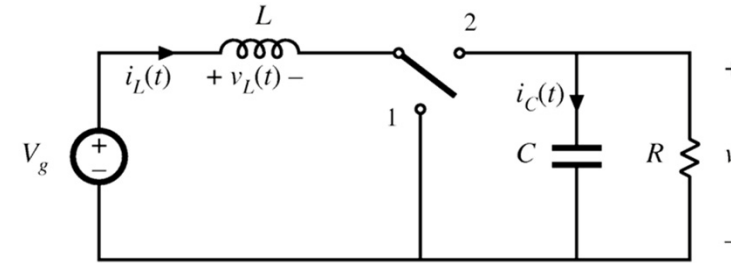


Low-frequency Averaging

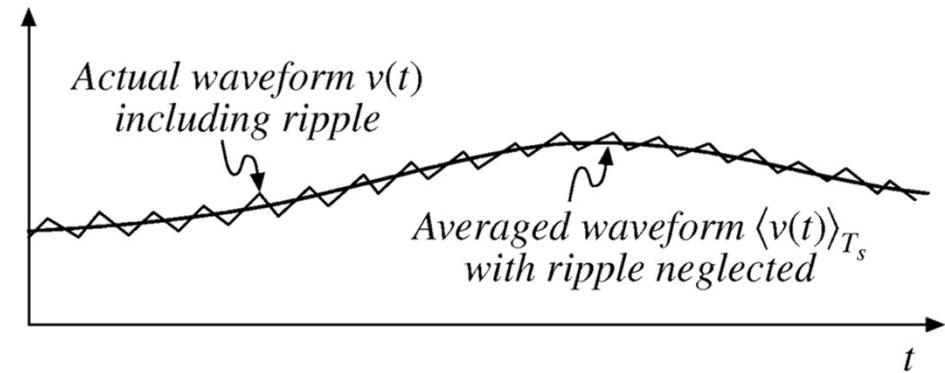
Averaging in Steady-State



Averaging in Transient Operation



Averaging: Discussion



Averaged (Nonlinear) Model

Small Signal Modeling: Linearization

(1) Perturb and Linearize

(2) 1st order Taylor Series Expansion