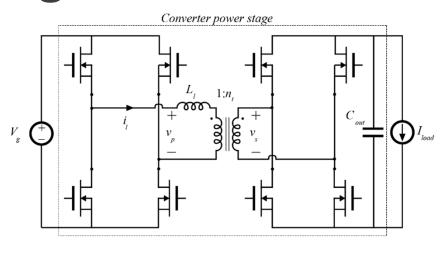
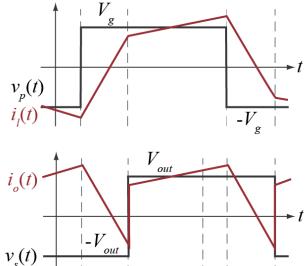
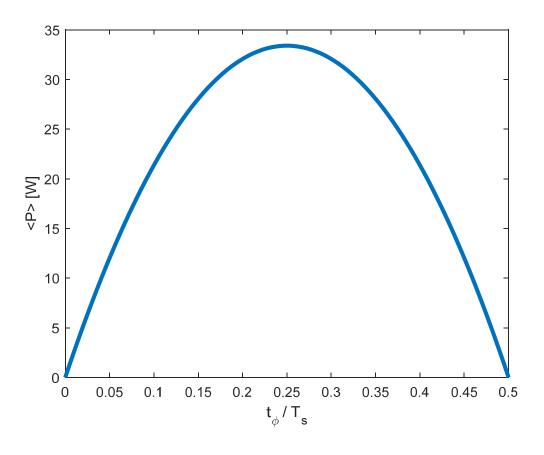
One Approach: Relaxing The Average





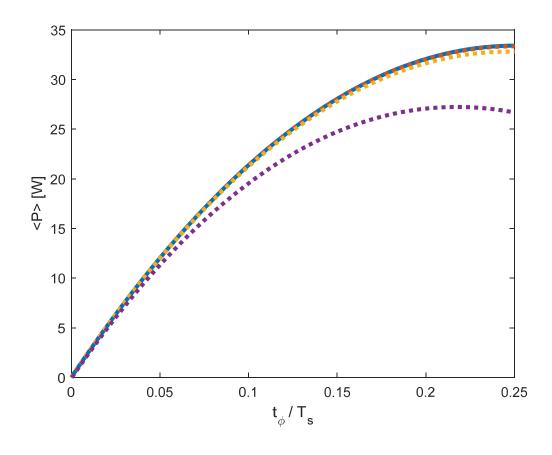
Output Power



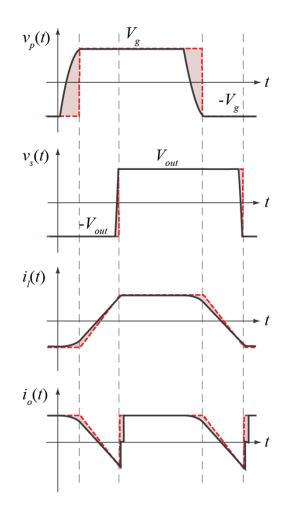
Including R_L

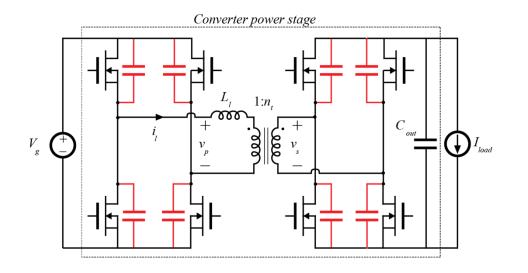
Including Losses

$$<\!P\!> = \frac{nV}{R_L^2 T_s} \left(\frac{4L_l \left(\left(1 + \mathrm{e}^{\frac{R_L T s}{2L_l}} - 2\mathrm{e}^{\frac{R_l (-2t_{\varphi} + T_s)}{2L_l}} \right) V_g + \left(-1 + \mathrm{e}^{\frac{R_L T s}{2L_l}} \right) nV \right)}{1 + \mathrm{e}^{\frac{R_L T s}{2L_l}}} + R_L \left(-4t_{\varphi} V g + T_s (V_g - nV) \right) \right)$$



DAB Operated at High Frequency





At high switching frequency, resonant ZVS transitions become significant