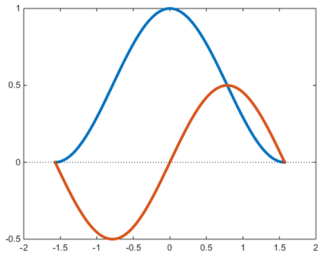
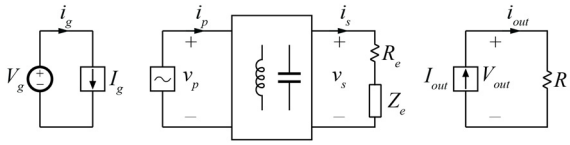
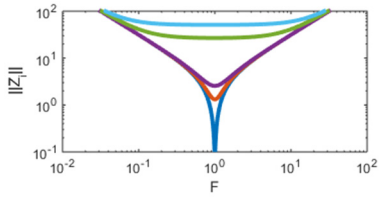
Rectifier Impedance

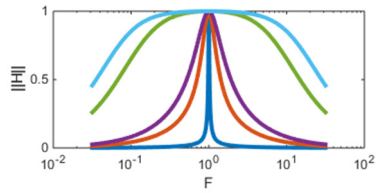


Conversion Ratio

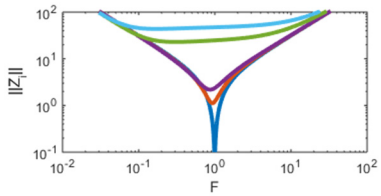


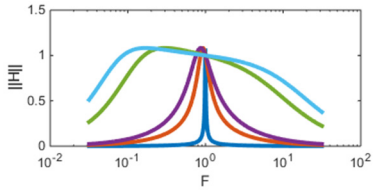
SRC Example $\varphi = 0$



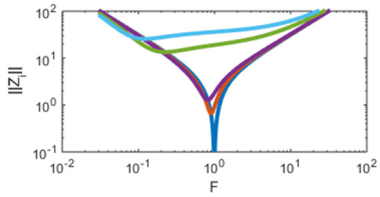


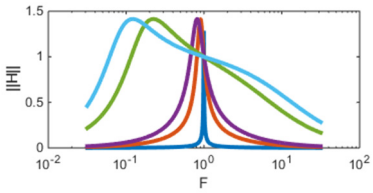
$\varphi = \pi/8$



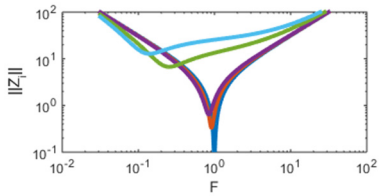


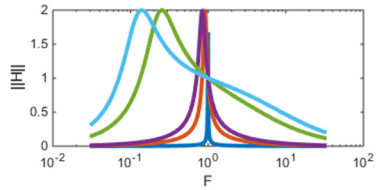
$\varphi = \pi/4$



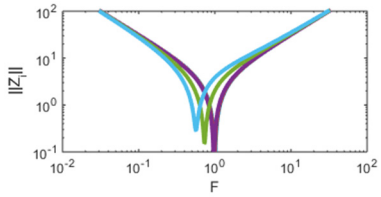


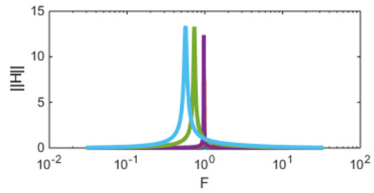
$\varphi = \pi/3$



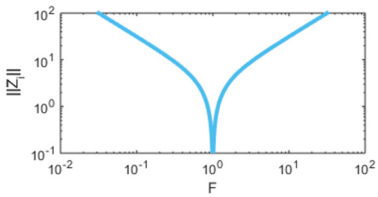


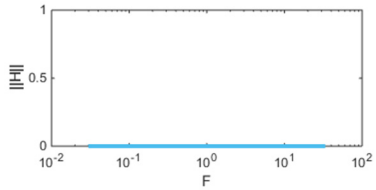
$\varphi = \pi/2.1$



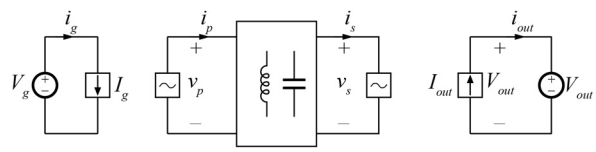


$\varphi = \pi/2$

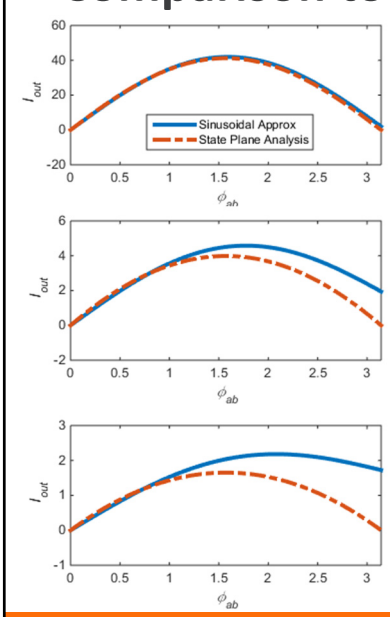




Bidirectional Model

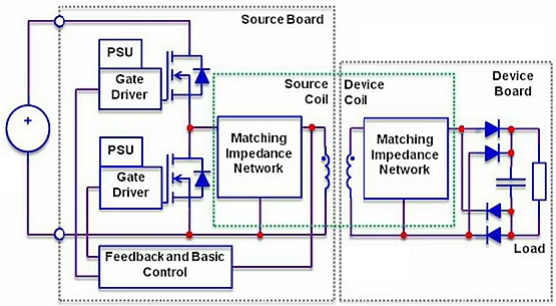


Comparison to State Plane Analysis

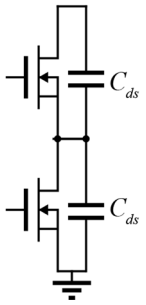
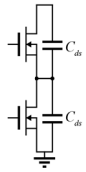
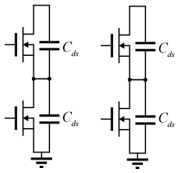
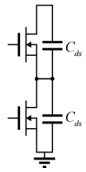
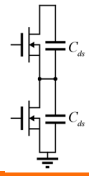
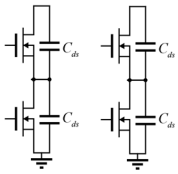


$$J = \frac{2F}{\pi} \frac{2\tan\frac{\beta}{2}}{\tan\left(\frac{\pi}{2} - \frac{\pi}{2F} + \frac{\beta}{2}\right) - \tan\frac{\beta}{2}}$$

Application to Wireless Power Transfer



ZVS Assist Circuits



ZVS Tank Examples