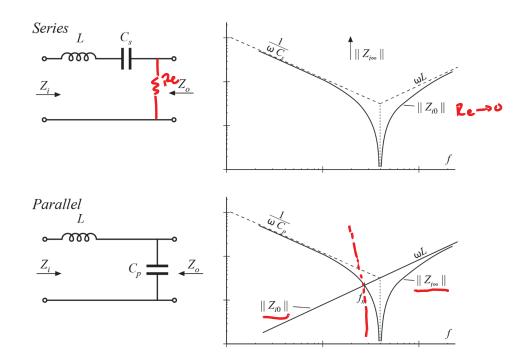
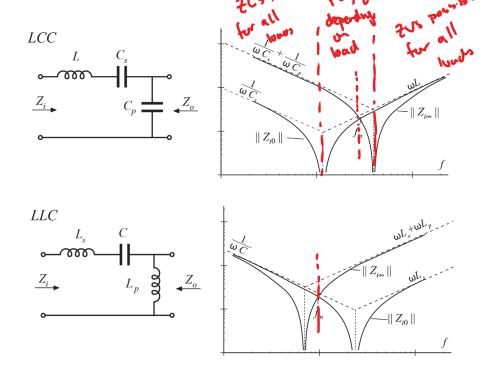
Tank Summary (1/2)





Tank Summary (2/2)



Series Resonant Tank – Subharmonic Modes

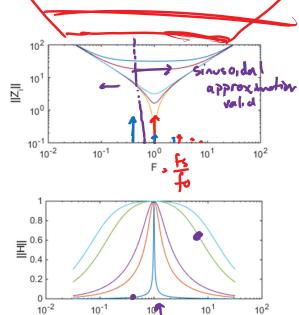
Squarewave vollage

by: NT 1 h EZt

Sinusoidal Approximation accuracy degradar it (i) Q decreases

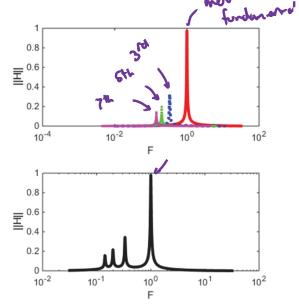
(i) Q decreases

(i) if F changed so that a harmonic has $\frac{f_n}{f_0} \approx 1$

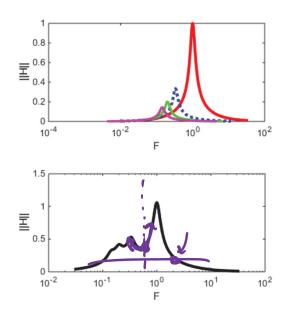




Subharmonic Modes - High Q

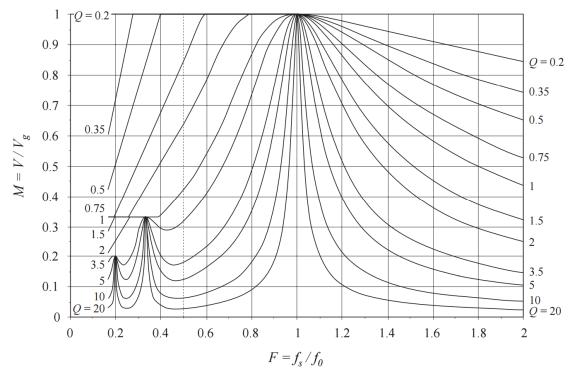


Subharmonic Modes – Low Q





SRC Control Plane



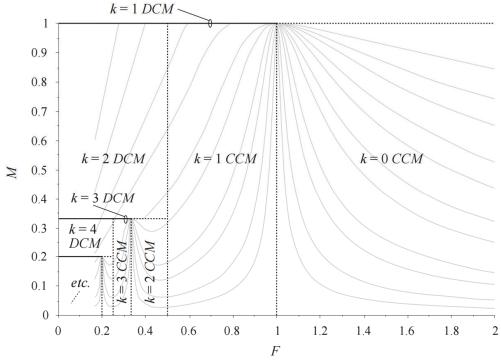
Fundamentals of Power Electronics

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Chapter 19: Resonant Conversion



SRC Mode Boundaries



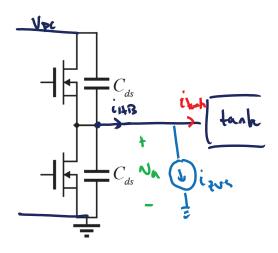
Fundamentals of Power Electronics

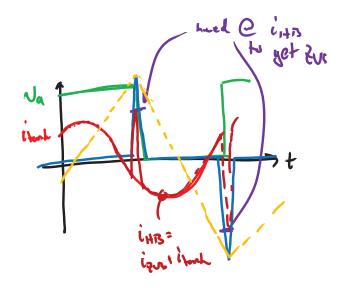
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Chapter 19: Resonant Conversion



ZVS Assist Circuits





ZVS Tank Examples

