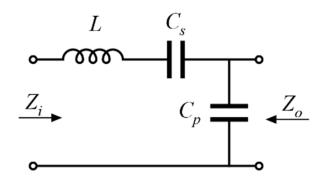
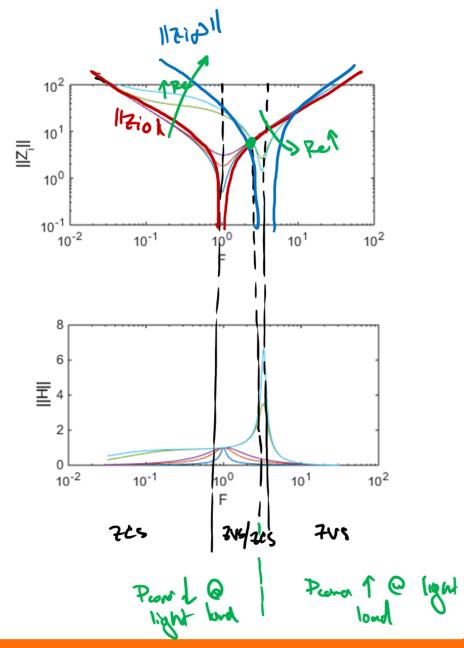
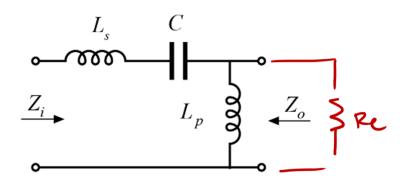
### **LCC**

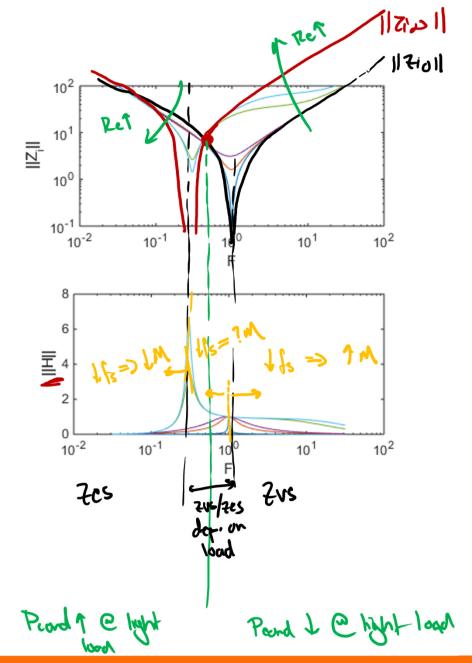


Both short-circuit & open-circuit
have frequencies when  $z_i \to \infty$ 

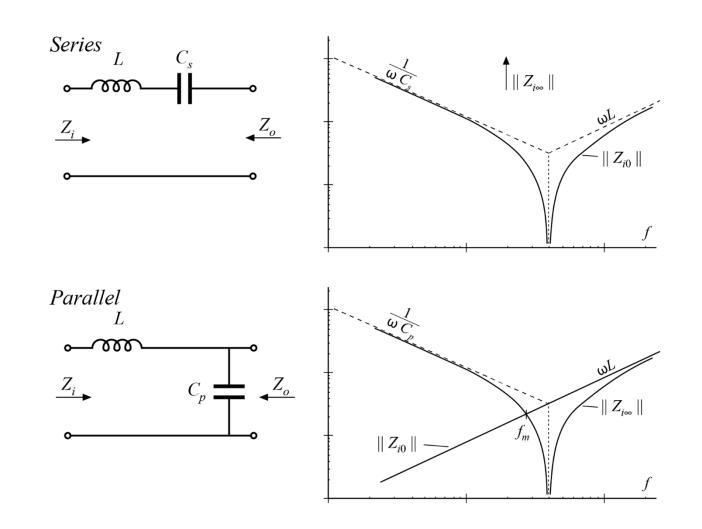


### **LLC**

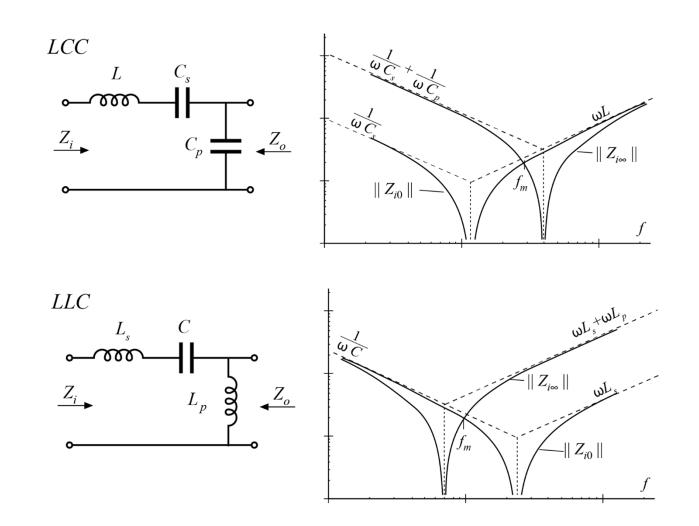




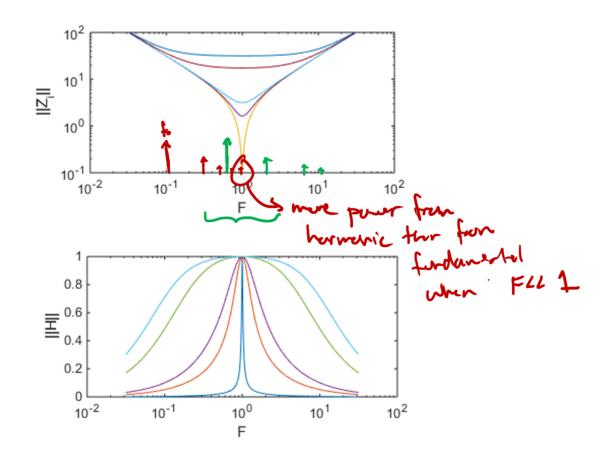
# Tank Summary (1/2)



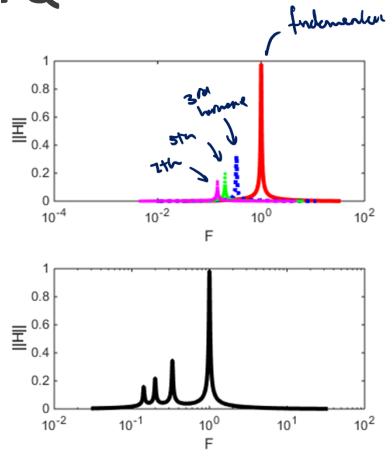
# Tank Summary (2/2)



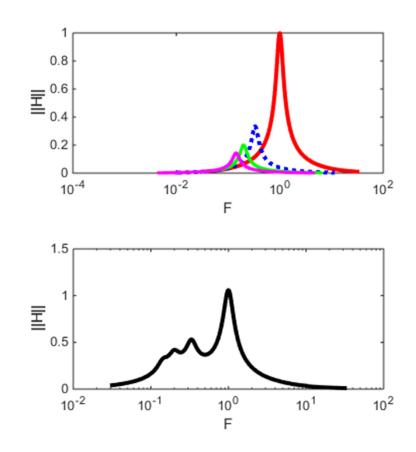
#### **Series Resonant Tank – Subharmonic Modes**



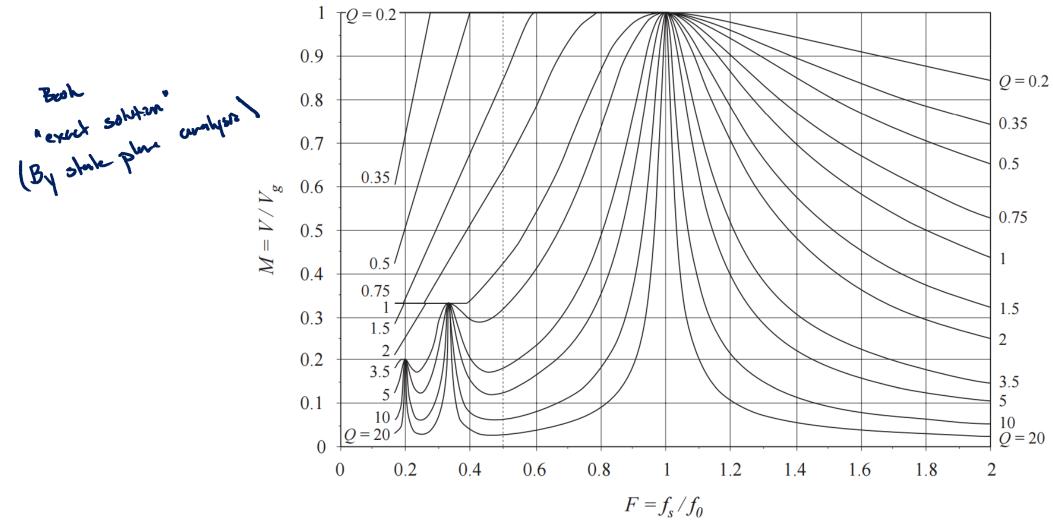
## Subharmonic Modes - High Q



# Subharmonic Modes – Low Q



### **SRC Control Plane**



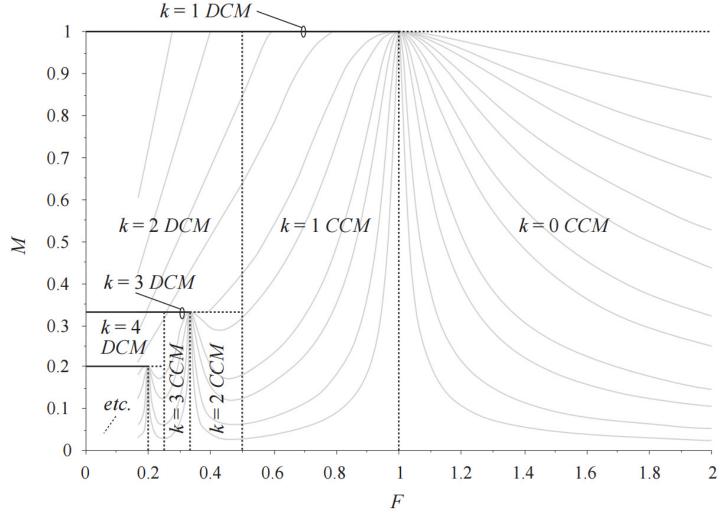
Fundamentals of Power Electronics

47

Chapter 19: Resonant Conversion

### **SRC Mode Boundaries**

k -> subhurmanic



Fundamentals of Power Electronics



Chapter 19: Resonant Conversion