

Bode Diagrams:

Pole/zero locations for straightline approximations of magnitude and phase plots:

(a) Individual poles and zeros not at origin:

	Magnitude	Phase
Stable pole		
Stable zero		
Unstable pole		
Unstable zero		

(b) Resonance poles and zeros :

	Magnitude	Phase
Stable pole		
Stable zero		
Unstable pole		
Unstable zero		