# Nyquist Plot (3A)

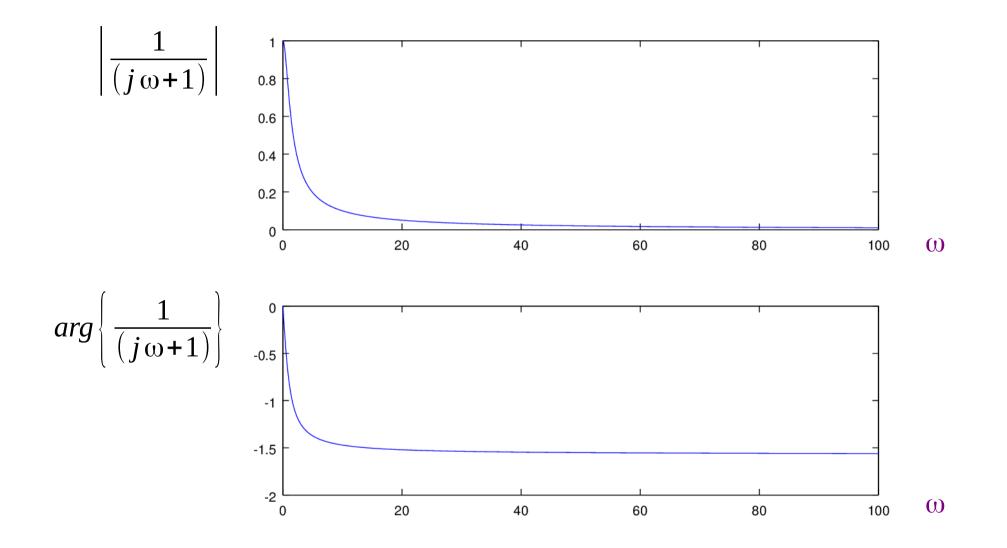
Young Won Lim 11/26/14 Copyright (c) 2014 Young W. Lim.

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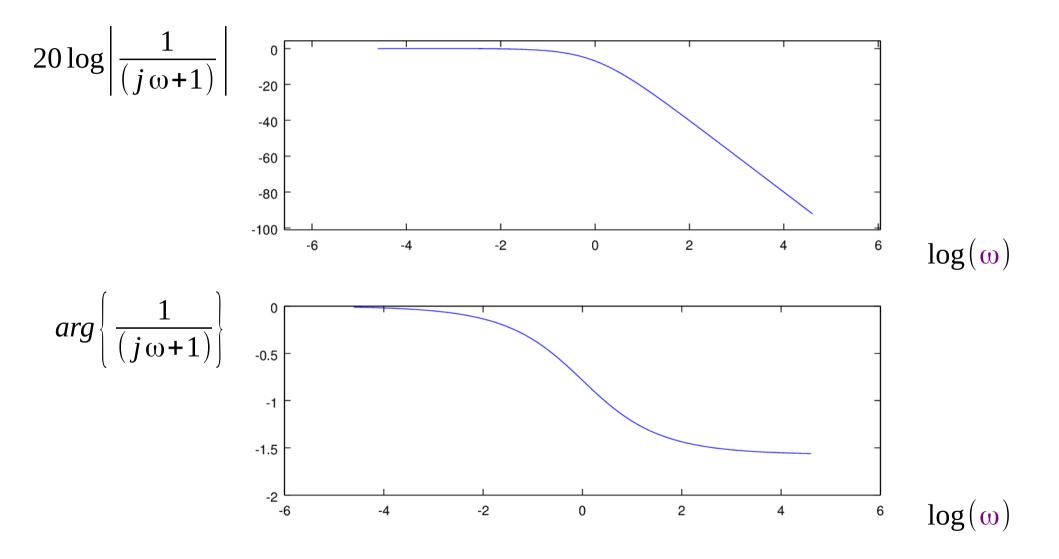
Please send corrections (or suggestions) to youngwlim@hotmail.com.

This document was produced by using OpenOffice and Octave.

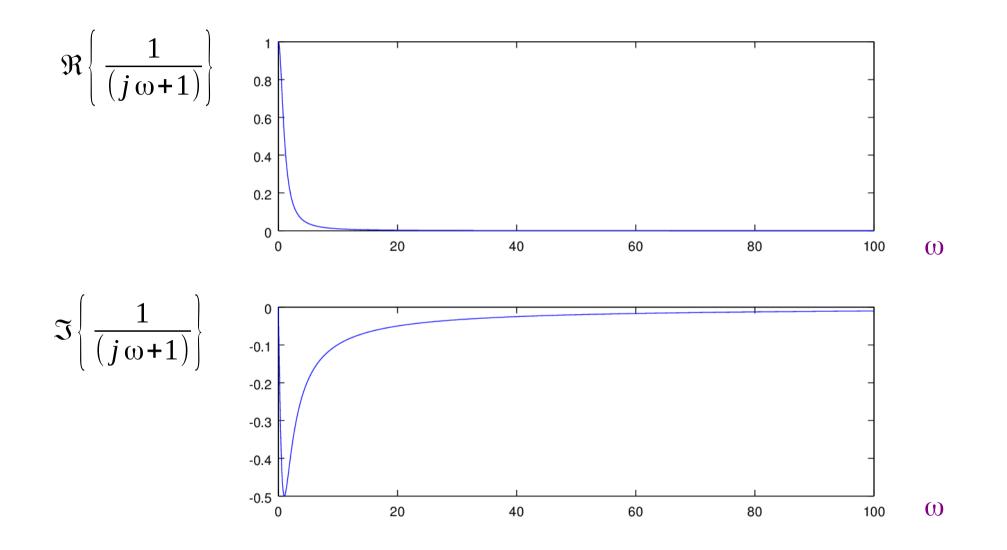
#### Frequency Response of G(s) = 1 / (s + 1)



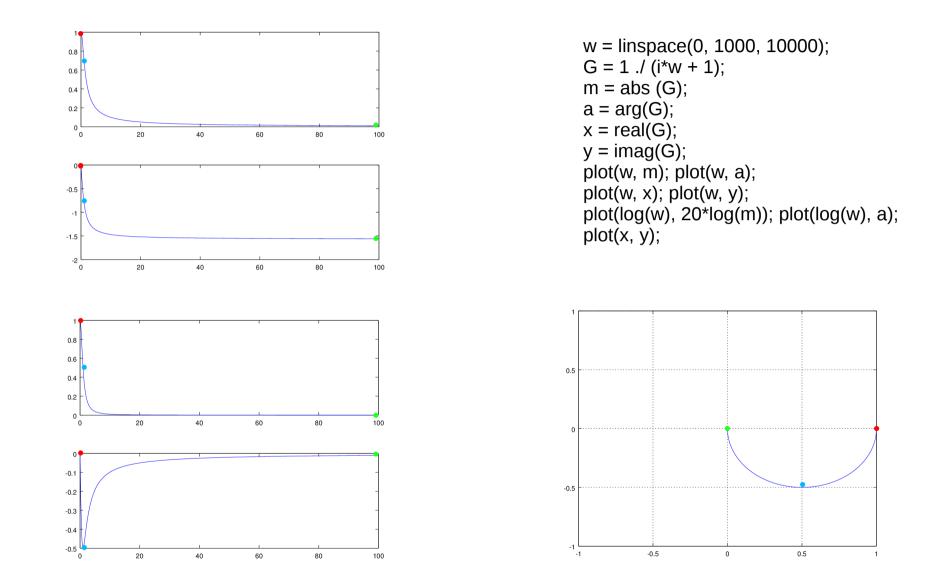
# Bode Plot



### Real and Imaginary Part of $G(j\omega)$

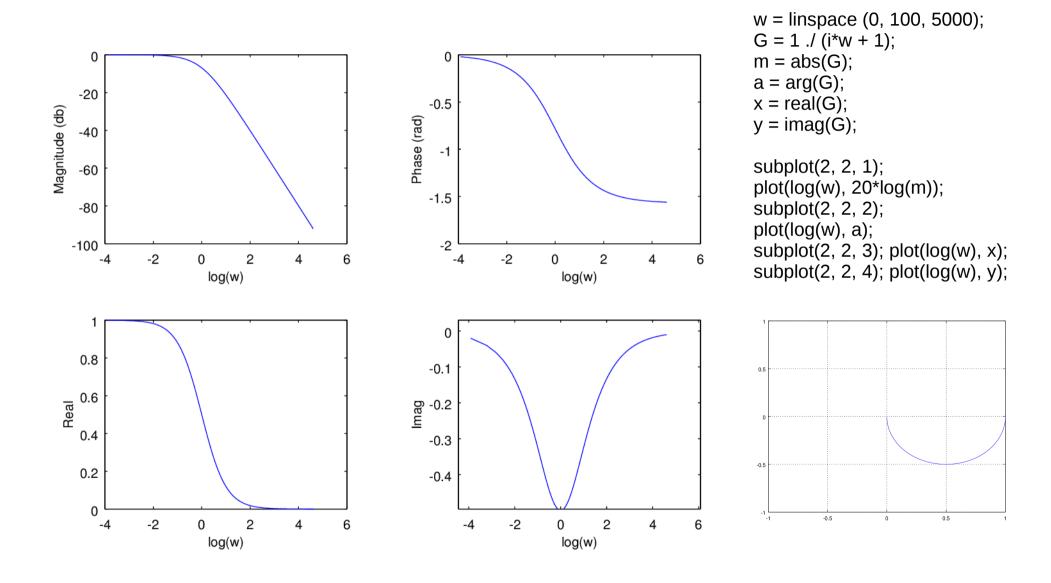


### Nyquist Plot

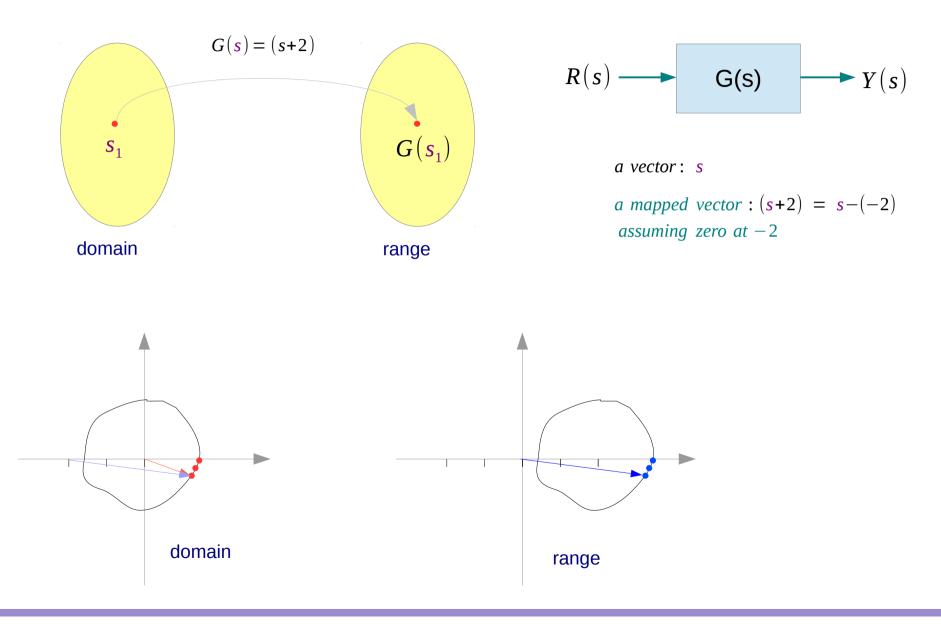


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# Nyquist Plot

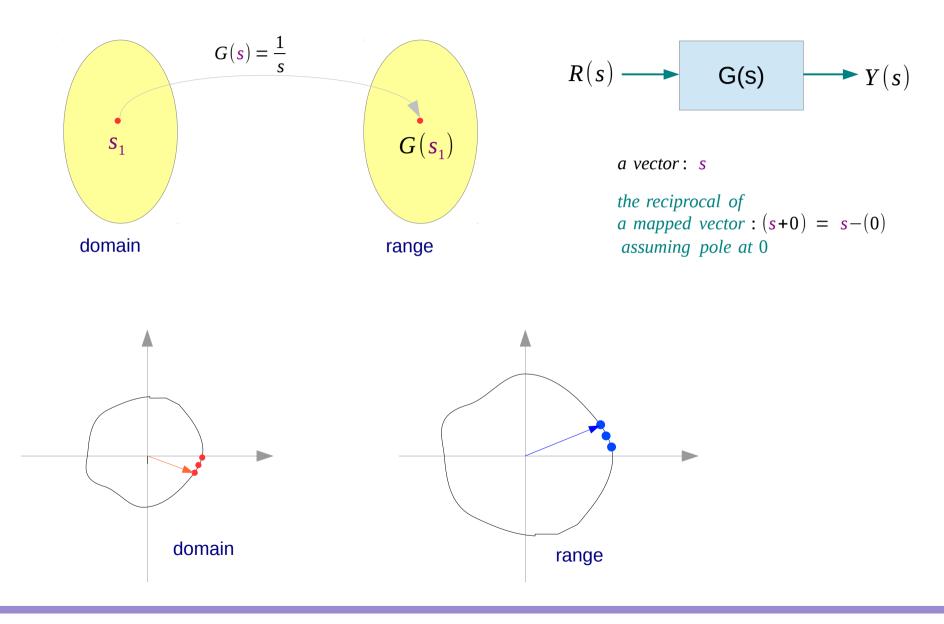


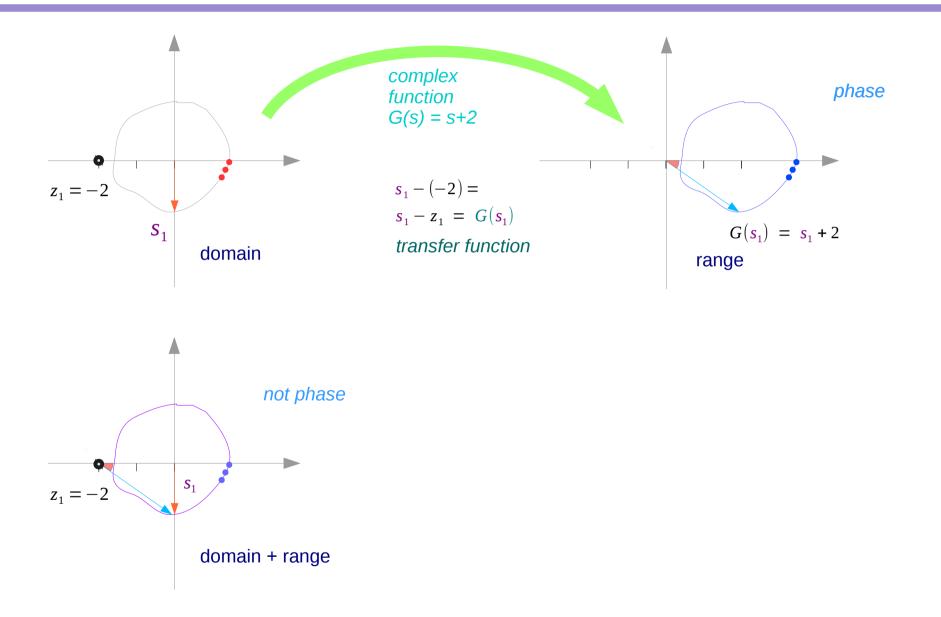
#### Transfer Function as a Complex Function (1)

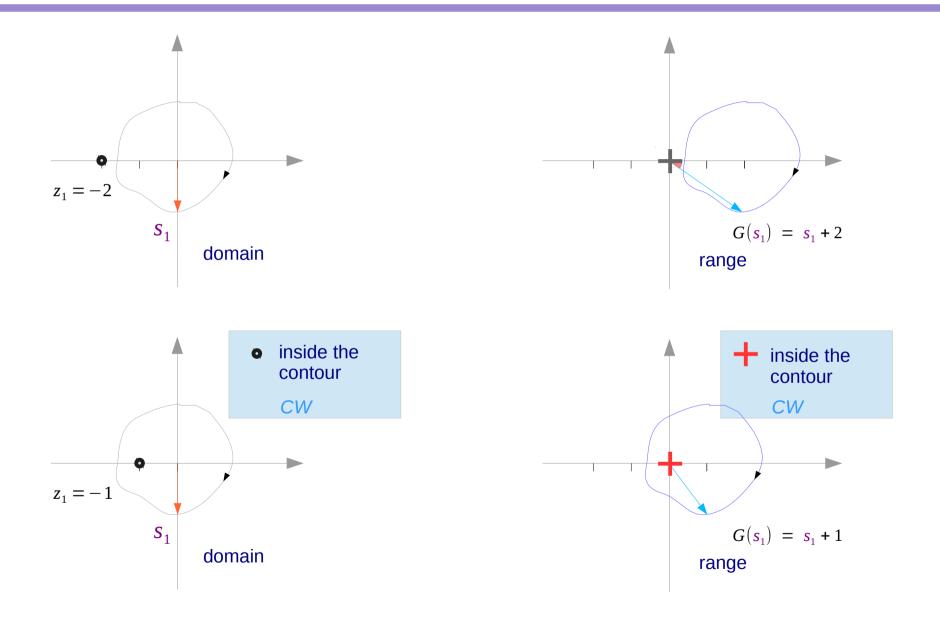


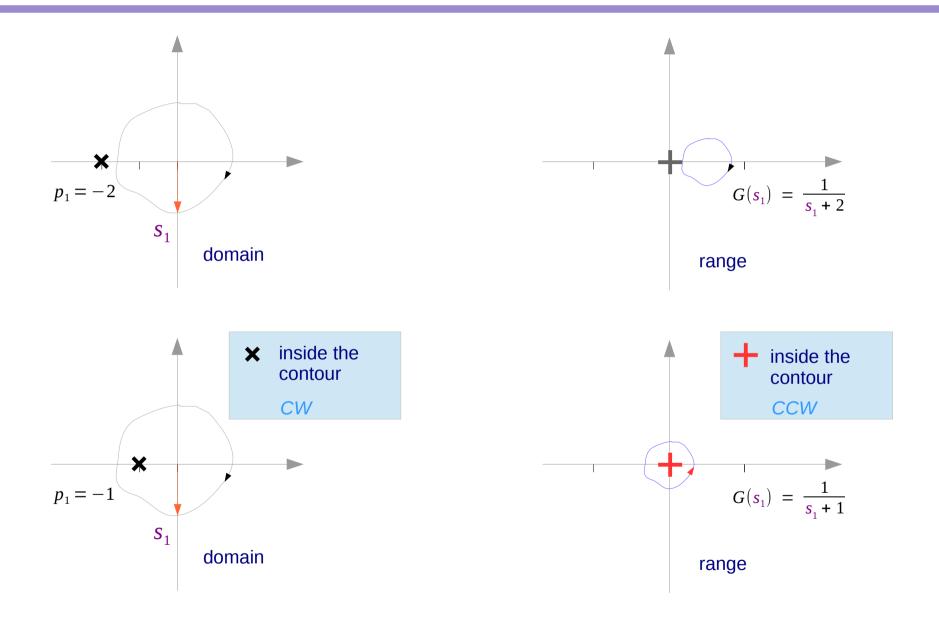
8

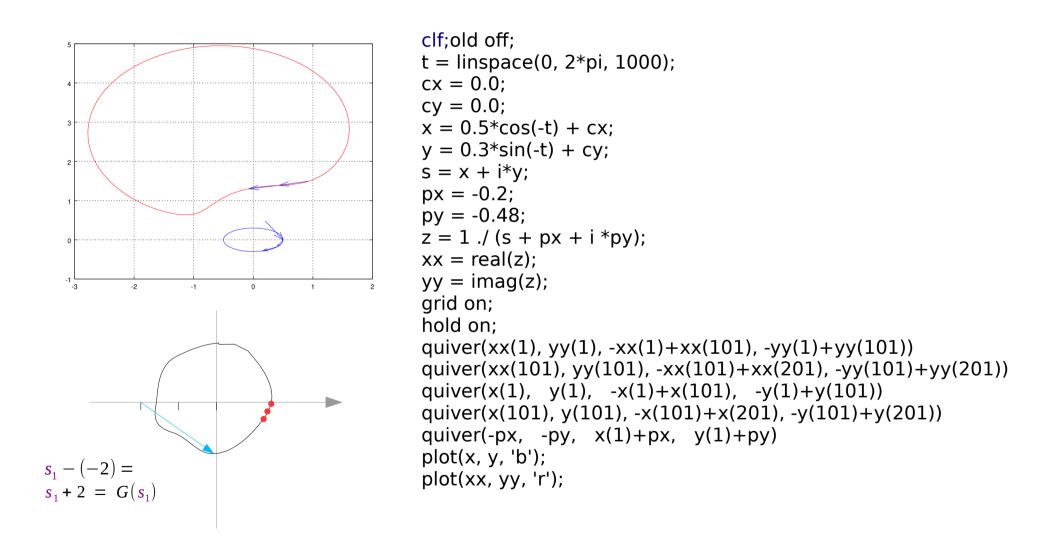
#### Transfer Function as a Complex Function (2)

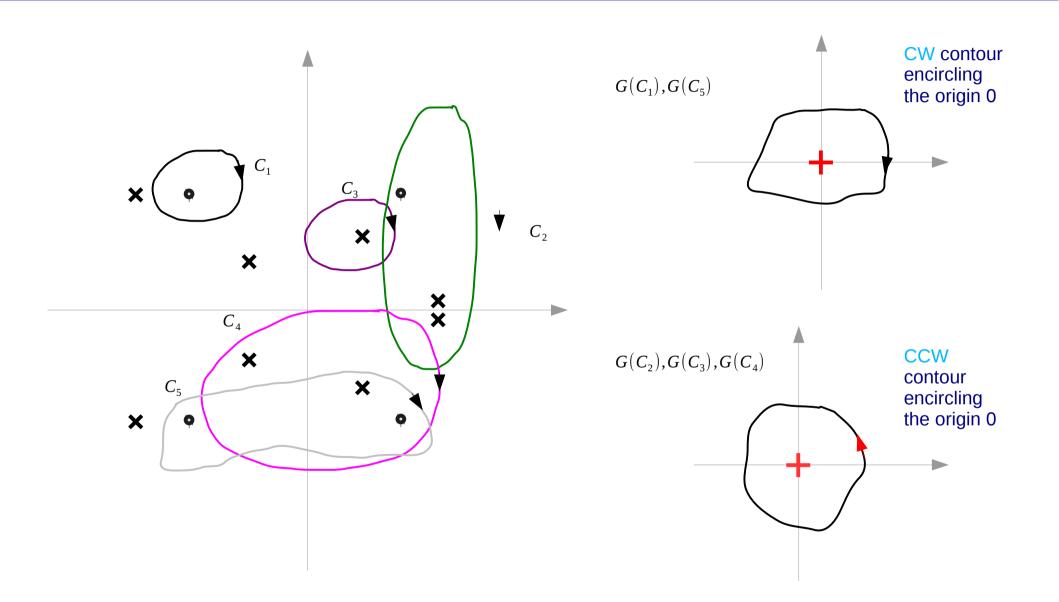












#### References

- [1] http://en.wikipedia.org/
- [2] M.L. Boas, "Mathematical Methods in the Physical Sciences"
- [3] E. Kreyszig, "Advanced Engineering Mathematics"
- [4] D. G. Zill, W. S. Wright, "Advanced Engineering Mathematics"