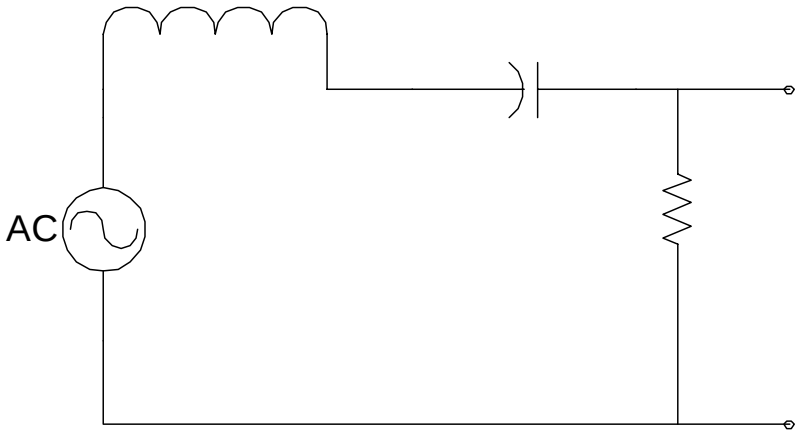
6.002 Demo# 22 (This demo is done on Dynamic Signal Analyzer)
Displays the Transfer Function of an RLC Bandpass Agarwal Fall 00

Lectures 17 and 18

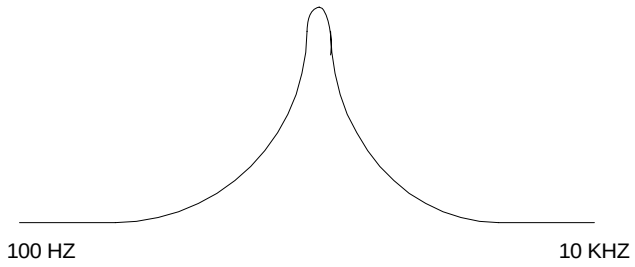
Purpose:

This demonstration shows the magnitude and phase plots for an RLC bandpass filter on the Dynamic Signal Analyzer.

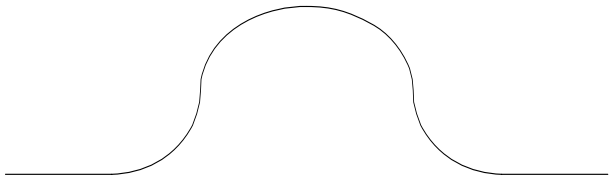
Steps:



Small R:
magnitude



Big R:
Magnitude



Description: Low Pass / HighPass RC

1. **Press Power On (Wait)**
2. **Press Preset**
3. **Press Pause/Cont.**
4. **Press Select Meas.**
5. **Press Freq Resp.**
6. **Press Meas. Mode**
7. **Press Log. Res.**
8. **Press Swept Sine**
9. **Press Source**
10. **Press Source Level**
11. **Press 1**
12. **Press V**
13. **Press Range**
14. **Press Auto 1 Up + Down**
15. **Press Auto 2 Up + Down**
16. **Press Coord.**
17. **Press Mag (dB) [LIN] ENTER**
18. **Press Scale**
19. **Press X FIXD Scale**
20. **Press .1,10**
21. **Press kHz**
22. **Press Y FIXD Scale**
23. **Press 32, -48**
24. **Press dB**
25. **Press Freq**
26. **Press Start Freq.**
27. **Press 100**
28. **Press Hz**
29. **Press Stop Freq.**
30. **Press 10**
31. **Press kHz**
32. **Press B**
33. **Press Coord**
34. **Press Phase**
35. **Press Scale**
36. **Press X FIXD Scale**
37. **Press .1, 10**
38. **Press KHZ**
39. **Press 90, -90**
40. **Press Degree**
41. **Press Freq.**
42. **Press Sweep Rate**
43. **Press 5**
44. **Press Sec/Dec**
45. **Resltn 5**
46. **Press Resltn AU**
47. **Press A+B**
48. **Press Start**

Always use Linear it looks better!!!