
1

magnitudes =

13.1529 5.8310 4.3267

phases =

8.7462 -149.0362 123.6901

2

mag =

0.0093

phase =

-141.8924

newmag =

0.2796

So final answer, $0.2796\cos(20t-141.9)$

3

ans =

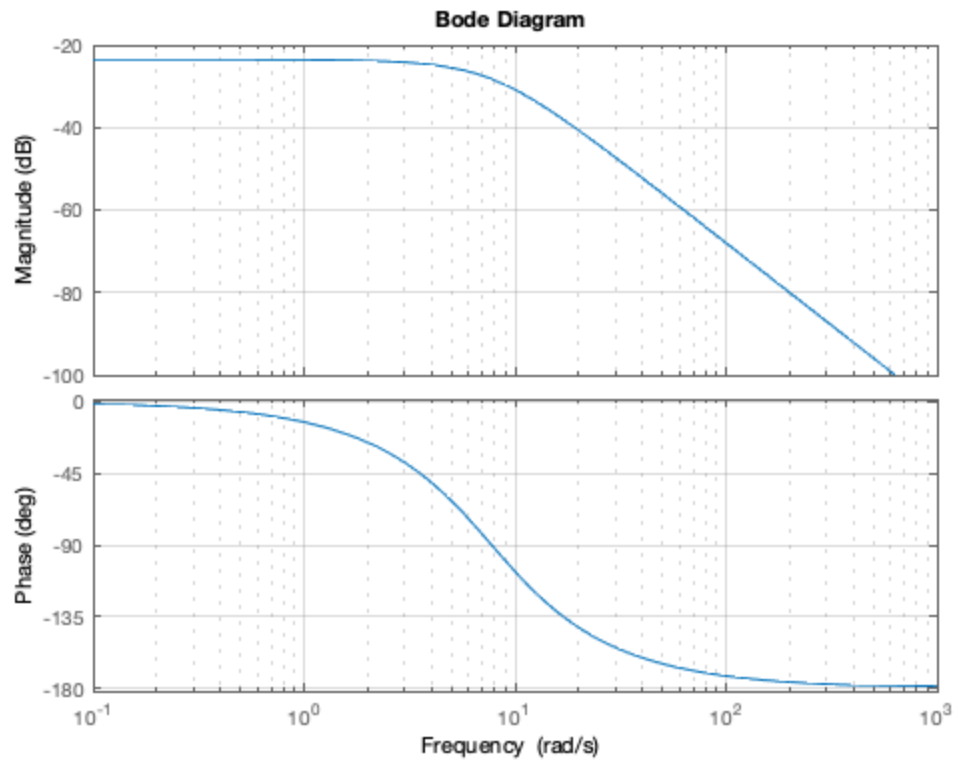
~~0.0093~~ -11.03dB

4

timeshift =

0.1238

5



6

mag =

0.0011

phase =

-167.2657

7

wc =

5

8

bw =

4.9881

9a

$mag =$

0.0201

$phase =$

-33.1785

$newmag =$

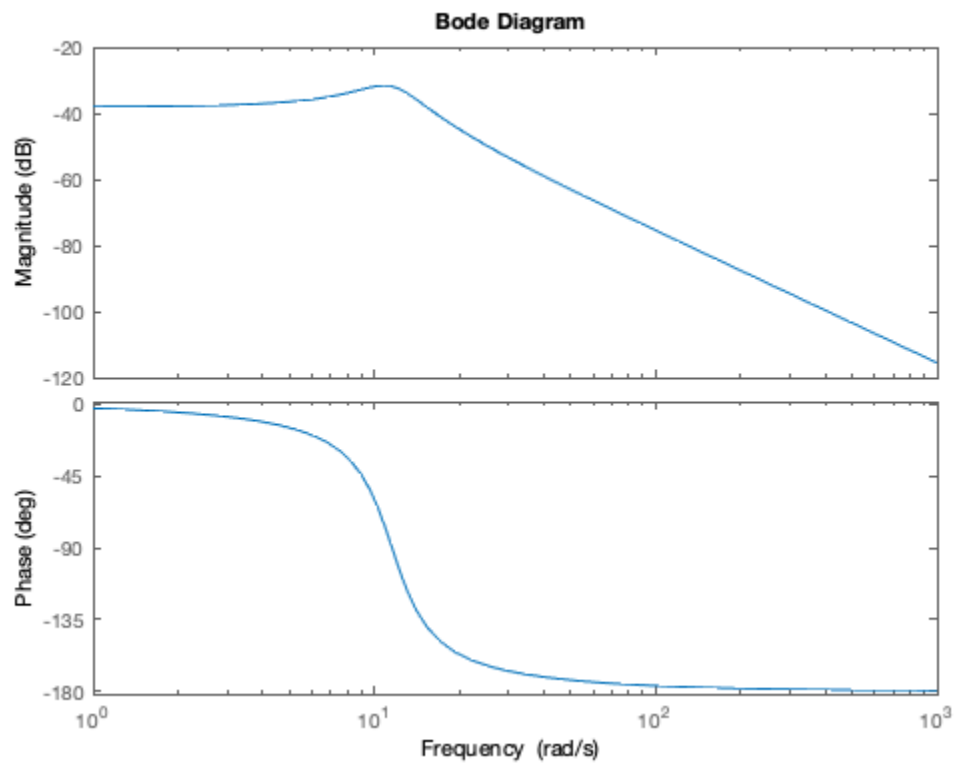
0.0402

Output is $0.0402\sin(8t-33.2)$

9a

$\omega d =$

10.8295



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