6.3

$$A = 1$$
 $A = 1$ 
 $A = 1$ 

6.6

嗣: 
$$H(e^{jw}) = \{ \{ \} \} \}$$
  $\pi - W_i \le |W| < \pi \}$   $\pi - W_i$ 

 $h[n] = e^{j(\pi - \frac{We}{2})n} \frac{\sin \frac{we}{2}n}{\pi n} + e^{-j(\pi - \frac{we}{2})n} \frac{\sin \frac{we}{2}n}{\pi n}$   $= (-1)^n \cdot 2 \frac{\cos \frac{we}{2}n \cdot \sin \frac{we}{2}n}{\pi n} = (-1)^n \frac{\sin we}{\pi n}$ 

.. 9[n]=(-1)n Wo = Wc

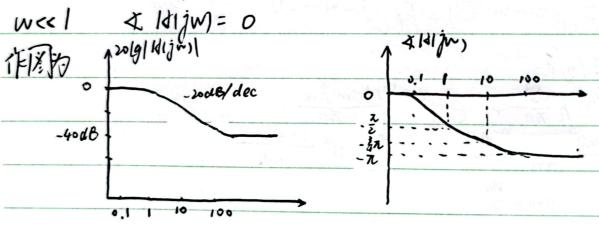
: 
$$\chi(t) = \cos(2\pi t + 0)$$
 :  $\gamma(t) = \frac{2\pi}{3\pi}\cos(2\pi t + 0 + \frac{\pi}{2})$   
 $w = 2\pi$ 

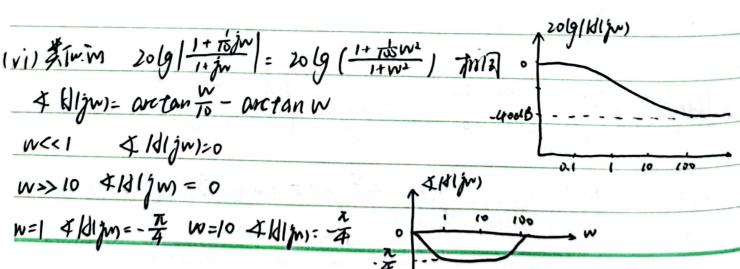
$$= -\frac{2}{3}\sin(2\pi t + 0)$$

西安交通大學 教材供应中心

电话: 029-82668318(东区) 82655434(西区) 86652038(城市学院) (b) X(t)= COS/4xt+0) Wo=4元 不在低值微分器的频子范围内 : g(t)=0

神教教育 本間jw)= - arctan  $\frac{W}{10}$  - arctan W.  $W \gg 10$  本間jw)= -  $\pi$  W=1 本間jw)=  $-\frac{\pi}{4}$  W=10 本間jw)=  $-\frac{3\pi}{4}$ 





$$|b| \ |f|(|w|) = \frac{1 - \frac{1}{10} jw}{1 + jw} \qquad |d|(jw) = \frac{1 + \frac{1}{10} jw}{1 + jw}$$

$$S(t) = \frac{1}{10} \qquad |u(t)| = \frac{1}{10} \frac{1}{10} + \frac{1}{10} \frac{1}{10}$$

$$|h_1(t)| = \frac{1}{10} \frac{1}{10} e^{-t} u(t) - \frac{1}{10} \frac{1}{10} + \frac{1}{10}$$

$$|h_2(t)| = \frac{1 + \frac{1}{10} jw}{1 + \frac{1}{10} iw} = \frac{1}{10} \frac{1}{1 + \frac{1}{10} iw} + \frac{1}{10}$$

$$|h_2(t)| = \frac{1 + \frac{1}{10} jw}{1 + \frac{1}{10} iw} + \frac{1}{10} \frac{$$

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No:		
Date:		
1 1 W > W+p		
m ldigm= lo lwl>Wrp 新江中殿町を laign=1-1dijn	)= { o  w >Wmp	成此在Wap 压缩
$h(t) = \frac{smW_{np}t}{71t}$		
) Herm = [ I INI Wo  O WOOLNIET		
12.10m-1-1210m-50	W   < 100 10 < 1 / M < T	
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		a ch

(42)
(4.6) 
$$|J_1(e^{im})| = \frac{1+\frac{1}{2}e^{-im}}{1+\frac{1}{2}e^{-im}} = -\frac{1}{1+\frac{1}{2}e^{-im}} + 2$$

$$|J_1(e^{im})| = \frac{\frac{1}{2}+e^{-im}}{1+\frac{1}{2}e^{-im}} = -\frac{\frac{1}{2}}{1+\frac{1}{2}e^{-im}} + 4$$

$$|J_1(e^{im})| = \frac{1}{2}+\frac{1}{2}e^{-im} = -\frac{1}{2}$$

(c) 
$$G(e^{im}) = \frac{|h|(e^{im})}{|h|(e^{im})} = \frac{1}{1+\frac{1}{2}e^{-im}} |G(e^{im})| = \sqrt{\frac{1}{2}+1} = 1$$

: Vw. \$1 | GIEM |= 1 2 J. M. S. I.