



```
= 1 10 [( 1 -1)] ( 1 -1)]
                     109 (20.35)
      . N = 1.3 22
And my enter frequency \Omega_c,
\frac{\Omega_c = \Omega_p}{\left(\frac{1}{Ap^2} - 1\right)^4 b_{N^1}} = \frac{0.65}{\left(\frac{1}{0.8}^2 - 1\right)^{4/4}}
     Finding transfer function H(e), polus are given by:

Pk = + Pc e)(N+2LH) 7/2N 1 k= 0:1,2
                                           = + [-0.83 + 1 0.83]
                            = ± [-0.93-j0.53]
      set 5 = -0.53+ jo.53 and st = 0.53 - jo.53
             (1-1,)(1-5)*) (1+0.63-10.63)(5+0.63+10.63)
     H(1) = (2c) N
             (0.35)2
             12+0.835+ 10.835+0.835+0.28+0.28+0.28; -10.535-0.28; +0.28
              10.75)2
               52+ 1.063+ 0.56
                 s2+ 1. 06s + 0.66
```

	₩ Date: / /
	Anding digital filter using 1821, There putting
	$S = \frac{2}{15} \left[\frac{2-1}{2+1} \right]$ in $H(s)$
	H(2) = 0.56
	$4\left(\frac{2-1}{2+1}\right)^{2} + \left(2\times 1.08\right)\left(\frac{2-1}{2+1}\right) + 0.56$
	0.56(2+1)2
	4 (22-22+1) + (2011 3 - 2012 3) (2+1) + 0.56 (3+1)2
	0-56 (2+1)2 10 10 10 10 10 10 10 10 10 10 10 10 10
	422-83 + 4+ 2·1272+ 2·123-2·123-2·13 + 0·6632+
	3 122 + 0.66
	12 _056 (2+1)2 - 0.56 (2+1)2 -
	6.682 + - 6.882 + 2.44
	required digital filter.
	Contraction of the first of the
	Transfer of the state of the st
	2 Circle 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	(1000 pt 1000 10 10 10 10 10 10 10 10 10 10 10 1
deve pe	0 marked 1 - 18 10 + 80 - 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	27.35