





We know that, , of (11-Te), Date: (e) Hos Y (s) = [Cn (SI = An) Bn + Dn] - W(s) is the input matrix. I see in put matrix. 50, YCs) = H(s) = Ch(sI) - Bn+Dn first, calculating the values of An, Bn, Cn, Dn using the Parameters given in Table 1. An 2 - 5.443, Bn 2 5.063 $2h^{2}\begin{bmatrix} 0.4567\\ -108.86 \end{bmatrix}$ $9h^{2}\begin{bmatrix} 0.5063\\ 101.266 \end{bmatrix}$ 50, $(9I-An)^{-1} = [S+5.443] = \frac{1}{S+5.443}$ And, Ch (3[-Ah] Bh = [0.4557] [1 5.063] [5.063]





So, H(s) =
$$C_n(sI-An)B_n + Dn$$

$$\frac{2 \cdot 3072}{9+5.443} + 0.5063$$

$$\frac{551.1582}{5+5.443} + 0.5063(S+10)$$

$$\frac{101.266(S+0.321×10.3)}{101.266(S+0.321×10.3)} + 0.5063(S+0.321×10.3)$$

$$\frac{101.266(S+0.321×10.3)}$$