



$$-m_{1}x_{1}^{"}-d(x_{1}-x_{2}^{"})-b(x_{1}-x_{2})+F=0$$

$$-m_{2}x_{2}^{"}-d(x_{1}-x_{2}^{"})-b(x_{1}-x_{2})+F=0$$

$$-m_{1}x_{1}^{"}-d(x_{1}^{"}-x_{2}^{"})-b(x_{1}-x_{2})=-F$$

$$-m_{2}x_{2}^{"}-d(x_{1}^{"}-x_{2}^{"})-b(x_{1}-x_{2})=0$$

$$m_1 \times 1'' + ol(x_1' - x_2') + le(x_1 - x_2) = F \mid m_1$$

 $m_2 \times 2'' + ol(x_1' - x_2') + le(x_1 - x_2) = olimna$

$$X_{1}^{"} + \frac{d}{m_{1}} (x_{1}^{"} - x_{2}^{"}) + \frac{k}{m_{1}} (x_{1} - x_{2}) = \frac{F}{m_{1}}$$

$$X_{2}^{"} + \frac{d}{m_{2}} (x_{1}^{"} - x_{2}^{"}) + \frac{k}{m_{2}} (x_{1} - x_{2}) = 0$$

$$X_{1}^{"} + \frac{2}{7} (X_{1}^{"} - X_{2}^{"}) + \frac{3}{7} (X_{1} - X_{2}) = \frac{1}{7}$$

$$X_{2}^{"} + \frac{1}{2} (X_{1}^{"} - X_{2}^{"}) + \frac{3}{12} (X_{1} - X_{2}) = 0$$

$$\frac{2}{x_{1}^{"} + \frac{2}{7} x_{1}^{"} - \frac{2}{7} x_{2}^{"} + \frac{3}{7} x_{1} - \frac{3}{7} x_{2}} = \frac{1}{7}$$

$$\frac{1}{7} x_{2}^{"} + \frac{1}{7} x_{1}^{"} - \frac{1}{7} x_{2}^{"} + \frac{3}{7} x_{1} - \frac{3}{7} x_{2} = 0$$

$$\frac{3}{3}X_{1(5)} + \frac{2}{7} 5X_{1(5)} - \frac{2}{7} 5X_{2(5)} + \frac{3}{7} X_{1(5)} - \frac{3}{7} X_{2(5)} = \frac{1}{7} \frac{1}{5}$$

$$\frac{3}{3}X_{2(5)} + \frac{1}{7} 5X_{1(5)} - \frac{1}{7} 5X_{2(5)} + \frac{3}{7} X_{1(5)} - \frac{3}{7} X_{2(5)} = 0$$

$$X_{1(5)} \left(\frac{3}{7} + \frac{2}{7} 5 + \frac{3}{7}\right) + X_{2(5)} \left(\frac{2}{7} - \frac{1}{7} 5 - \frac{3}{7}\right) = \frac{1}{7}$$

$$X_{1(5)} \left(\frac{1}{7} 5 + \frac{3}{7}\right) + X_{2(5)} \left(\frac{2}{7} - \frac{1}{7} 5 - \frac{3}{7}\right) = 0$$

$$D = \begin{vmatrix} 3^{2} + \frac{9}{4} \\ 3 + \frac{3}{4} \end{vmatrix} - \frac{2}{4} - \frac{3}{4} = \frac{2}{3} - \frac{3}{4} = \frac{2}{3} + \frac{3}{4} \cdot \left(\frac{3}{2} - \frac{3}{4} - \frac{3}{4}\right) + \left(\frac{2}{4} + \frac{3}{4}\right) \cdot \left(\frac{1}{2} + \frac{3}{4}\right) = \frac{283^{3} - 65^{2} - 95^{2}}{28}$$

$$D_{1} = \begin{vmatrix} \frac{1}{15} & -\frac{2}{7} & -\frac{3}{7} \\ 0 & \frac{2}{5} - \frac{1}{7} & \frac{3}{7} \end{vmatrix} = \frac{1}{15} \left(\frac{2}{5} - \frac{1}{7} & \frac{3}{7} - \frac{3}{7} \right) = \frac{43^{2} - 25 - 3}{255}$$

$$O_{2} = \begin{vmatrix} 3^{2} + \frac{2}{5} + \frac{3}{7} & \frac{1}{7} \\ \frac{1}{7} + \frac{3}{7} & 0 \end{vmatrix} = -\frac{1}{7} \left(\frac{1}{2} + \frac{3}{7} \right) = \frac{-20 - 3}{285}$$

$$X_{1} = \frac{D_{1}}{D} = \frac{\frac{45^{2}-25^{2}}{265}}{\frac{265^{2}-65^{2}-95^{2}}{265^{2}-65^{2}-95^{3}}} = \frac{45^{2}-25^{2}-3}{265^{2}-65^{2}-95^{3}}$$

$$X_2 = \frac{D_2}{D} = \frac{\frac{-25-3}{265}}{\frac{265-65-95}{65}} = \frac{-25-3}{265-65-95}$$