$$\begin{cases} u'' + u = 0 \\ u(0) = a \\ u'(0) = b \end{cases}$$

$$u_{m} = a \cos x + b \sin x$$

$$u'''' + u_{m} \sim C_{-1}^{m} u_{m-1} + C_{0}^{m} u_{m} + c_{1}^{m} u_{m}$$

$$Du = f$$

$$\begin{cases} 1 & 0 & 0 & 0 & 0 \\ C_{1} & C_{2} & 0 & 0 & 0 \\ C_{-1} & C_{0}^{2} & C_{1}^{2} & 0 & 0 \\ 0 & C_{-1}^{3} & C_{0}^{3} & C_{1}^{3} & 0 & 0 \\ 0 & C_{-1}^{3} & C_{0}^{m} & C_{1}^{m} & 0 & 0 \\ 0 & C_{-1}^{m} & C_{0}^{m} & C_{1}^{m} & 0 & 0 \\ 0 & C_{1}^{m} & C_{1}^{m} & C_{1}^{m} & 0 & 0 \\ 0 & C_{1}^{m} & C_{1}^{m} & C_{1}^{m} & C_{1}^{m} & 0 \\ 0 & C_{1}^{m} & C_{$$