Récoriture des équations différitelles

Bernière: @ q1+ Br q1+ Brz q2 - wr q1 = x1(t)

Puit: @ qz + βz qz + βz qz - wz qz = nz(E)

On pose 2rei = Bi , l = wz , t = wet

 $\frac{1}{\omega^2} \frac{d^2q_1}{d\xi^2} + \frac{\beta_1 dq_1}{\omega^2 d\xi} + \frac{\beta_{12} dq_2}{\omega^2 d\xi} - q_1 = \frac{n(\xi)}{\omega^2}$

 $\frac{1}{\omega_z^2} \frac{d^2q^2}{dt^2} + \frac{\beta z}{\omega_z^2} \frac{dq_2}{dt} + \frac{\beta z_1}{\omega_z^2} \frac{dq_2}{dt} - q_2 = \frac{\chi_2(t)}{\omega_z^2}$

On pose (Br fire) = (Br fire)
(Br fire) = (Br ffre)

et de plus, on a : Brz = Brz = B et Bie / Bi Be » Bie = c BiBe

B = c & B12

B = 166 B1

 $2\pi - \beta_1 \quad \text{et} \quad 2\pi z = \beta_2 = \beta_3 \quad \alpha_1 \quad \alpha_2 \quad \alpha_3 \quad \alpha_4 \quad \alpha_5 \quad \alpha_$

$$\frac{1}{\omega^{2}Q_{\alpha}dt^{2}} = \frac{dQ_{\alpha}}{dt^{2}}$$

$$\frac{\beta_{1}}{\omega^{2}Q_{\alpha}dt} = 2u \frac{dQ_{\alpha}}{dt}$$

$$\frac{\beta_{1}}{\omega^{2}Q_{\alpha}} \frac{dQ_{\alpha}}{dt} = 2u \frac{dQ_{\alpha}}{dt}$$

$$\frac{\beta_{1}}{\omega^{2}} \frac{dQ_{\alpha}}{dt} = \sqrt{\frac{\beta_{1}}{2}} \frac{dQ_{\alpha}}{dt} = 2\sqrt{\frac{\beta_{1}}{2}} \frac{dQ_{\alpha}}{dt}$$

$$\frac{\gamma_{1}dQ_{\alpha}}{\gamma_{1}} = R_{\alpha}(t).$$

$$\frac{1}{Q_{\alpha}} \frac{dQ_{\alpha}}{dt^{2}} + 2u \frac{dQ_{\alpha}}{dt^{2}} + 2\sqrt{\frac{\beta_{1}}{2}} \frac{dQ_{\alpha}}{dt^{2}} = \frac{1}{2} \frac{dQ_{\alpha}}{dt^{2}}$$

$$\frac{\beta_{2}}{Q_{\alpha}} \frac{dQ_{\alpha}}{dt} = \frac{1}{2} \frac{dQ_{\alpha}}{dt} = \frac{1}{2} \frac{dQ_{\alpha}}{dt}$$

$$\frac{\beta_{2}}{Q_{\alpha}} \frac{dQ_{\alpha}}{dt} = \frac{1}{2} \frac{dQ_{\alpha}}{dt} = \frac{1}{2} \frac{dQ_{\alpha}}{dt}$$

$$\frac{\beta_{2}}{Q_{\alpha}} \frac{dQ_{\alpha}}{dt} = \frac{1}{2} \frac{1}{2} \frac{dQ_{\alpha}}{dt} = \frac{1}{2} \frac{1}{2} \frac{dQ_{\alpha}}{dt}$$

$$\frac{\beta_{2}}{Q_{\alpha}} \frac{dQ_{\alpha}}{dt} = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{dQ_{\alpha}}{dt} = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{dQ_{\alpha}}{dt}$$

$$\frac{\beta_{2}}{Q_{\alpha}} \frac{dQ_{\alpha}}{dt} = \frac{1}{2} \frac$$

Scanned by CamScanner