

 $\ddot{x} = -\omega^2 x + \frac{F}{\pi} \omega s \Omega t$ という、彼分方形式、解とに、

< H.W. >.

$$- \Omega^2 C \cos \Omega t = -\omega^2 C \cos \Omega t + \frac{\pi}{k} \cos \Omega t$$

 $\cos \Omega t \left((m_{-} v_{j}) \zeta - \frac{m}{k} \right) = 0$

+ (-D 12 -28C + 4 D) sin 1t = 0

$$\begin{cases} -(\Omega^{2} + 2r + 1) + \omega^{2}C - \frac{E}{n} = 0 \\ -(\Omega^{2} + 2r + 1) + \omega^{2}C - \frac{E}{n} = 0 \end{cases}$$

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$$\begin{cases} -(\Omega^{2} + 2r + 1) + \omega^{2}C - \frac{E}$$

x, = C cos Ot + D sin Ot, z.

$$\left(\frac{d^2}{dt^2} + 2V \frac{d}{dt} + \omega^2\right) \times (t) = \frac{1}{m} \cos \Omega t$$

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(H.w) =
$$\frac{F(\omega^2 - \Omega^2)}{m \left(4 Y^2 + (\omega^2 - \Omega^2)^2 \right)} cos \Omega t$$

$$\frac{2FY}{m \left(4 Y^2 + (\omega^2 - \Omega^2)^2 \right)} sin \Omega t$$

$$\frac{-rt}{e} \left(Acos \omega t + B sin \omega t\right)$$

 $\chi(t) = \frac{F(\omega^2 - \Omega^2)}{m (4 Y^2 + (\omega^2 - \Omega^2)^2)} \cos \Omega t + \frac{2FY}{m (4 Y^2 - (\omega^2 - \Omega^2)^2)} \sin \Omega t$ tet (Acosut + Bsinut) 12 trittectize et (Acosut +Bsincot) の頭に 無視できるがになる

第1項と第9項に対け、再関数の合成のサニックを使って、 さればたなくないたときの振幅を取める。