$\frac{1}{\text{olt}} = A(t)\overline{y} + \overline{f}(t) \qquad (1)$ t C Ed, BJ, A(t) u f(t) - reny. ra [d, B] $\frac{d^2}{dt} = A(t)^2 \qquad (2)$ 2. Th 1. My056 y x (t) - permeture (1). Myc56 y (t)= y(t) + Z(t). Torga y(t) - remeture (1)=> 2=> 2(t) - pemerue (2) y(t)=C, Z,(t) + .- + (n = n(t) + y*(t), 2ge Z,(t), --, Zn(t) -PCP(2); C,,-, CnER 3. Metog Mayakka Capuayun noctalithous. Th 2. Mycob upbectha ranag-unso PCP yp-a (2).

Toga pemerne (1) mosset souts nangrenos nbagnatyrax.

Don-80: 1) $Z(t) = \begin{bmatrix} \overline{Z}_1(t) \\ \vdots \\ \overline{Z}_n(t) \end{bmatrix} - PMP(2)$ Unjeur penneture (1) 6 buge $\overline{y}(t) = \overline{Z}(t) \overline{X}(t), \text{ rge } X(t) = [X_1(t)...X_n(t)]'$ hobas ucuavas op-us (Het noteju nopret, det 2 70) 2) d(2x) = A2x + 7 $\frac{d^2 x}{dt} + \frac{2}{dx} = \frac{1}{4} + \frac{1}{4}$ $A \neq x + 2 dx = A \neq x + 7$ dX = 2-17 navas enso neplacos. $\overline{\chi}(t) = \int z^{-1}(t) f(t) dt + C$ 3) $y(t) = Z(t)C_1 + Z(t)JZ'(t)f(t)olt$ source

rem-e(2)

(1) Rougeune Bubagroutyras.

 $y = A(t)y + \overline{f}(t)$, no bout reacts re 30 bucut or $y = 2\overline{y}_0 - n + color$ $(\bar{y}(t_0) = \bar{y}_0, t_0 \in \Sigma d, \beta]$ y(t)=2(t)C+2(t)SZ'(x)F(e)de $y_0 = y(t_0) = 2(t_0)C + 2(t_0)\cdot 0 = >$ => C= 2 (to) Jo =) $\frac{1}{4}(t) = \frac{2(t)}{2}(t_0)\frac{1}{40} + \frac{2(t)}{40}\frac{1}{40}(t_0)\frac{1}{40}$ V Perneture zagaru Komu (4)