



Dihutuhi sifot dari trip elenen 3

-Sumber Jegongon; selvsih Jegongon di node pushtif dengen tegrangen di node tegratif Otton selbesor V

- Resistor ; > bertotu I = R

> beson ones your relevant other subsour Agangan ontor node onbogs best R

- Kopershor; 7 below I= CdV

> beson one you nelework often sebesor perboten tegongen / perboten workh Alrah beson C

-Node; trop node other nemlihi besoron tegorgon

Langlish Henry Hollishun:

Peroneon i v don e , letta peletaka grand

2.) Norby analysis " (Perentian motivus A)

Node 8 A)
$$\dot{c}_1 - \dot{c}_2 = 0$$
B) $\dot{c}_2 + \dot{c}_3 = 0$
As $\ddot{c}_1 = \begin{bmatrix} 1 - 1 & 0 \\ 0 & 1 \\ -1 & 0 - 1 \end{bmatrix} \begin{bmatrix} \dot{c}_1 \\ \dot{c}_2 \\ \dot{c}_3 \end{bmatrix} = 0$

3. Invers Math A (AT): V-ATe=0

Coro 18 MVL8 V1 = CA-Con [V1] [10-1][e1]

V2=CB-CA: [V2]-[-110][e1]

V3=CB-Ca [V3] [01-1][e3]

Cora 2% Transpose dan host Nooth analysis

$$A = \begin{bmatrix} 1 - 1 & 0 \\ 0 & 1 & 1 \\ -1 & 0 - 1 \end{bmatrix} \xrightarrow{A^T} A^T = \begin{bmatrix} 1 & 0 - 1 \\ -1 & 1 & 0 \\ 0 & 1 - 1 \end{bmatrix}$$

Metoda yang o'han digunahan yathu metode Sparse Toblian Andyans (4) BCE

dengan Knichoff Current Law (KeL), Knichoff Voltage Low (KUL) Jen Branch Constitutive Equation (BCE)

ableou s

$$\begin{bmatrix} A & O & O \\ O & I & -A^{T} \\ k_{i} & K_{v} & O \end{bmatrix} \begin{bmatrix} 0 \\ v \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ S \end{bmatrix}$$

dengen: c = himpuran ons

V = hymphon bida kyronyon

e = hompanan tegengun pada nada

LCLO Ai=0 Exborgen Model

KVL: V-ATe=0 BCE; Kii+Kv.v=5 { Schonyork Brench

R).
$$\dot{c}_{2} = \frac{V_{2}}{R}$$
 ; $\dot{c}_{2} - \frac{V_{2}}{R} = 0$

C).
$$i_3 = C \cdot \frac{d \cdot v_3}{dt}$$
; $i_3 = C \cdot \frac{d v_3}{dt}$

$$\begin{bmatrix} 0 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} V = \begin{bmatrix} V \\ 0 \\ 0 \\ 0 \end{bmatrix} V = \begin{bmatrix} V \\ 0 \\ 0 \\ 0 \end{bmatrix}$$

(5). Mensusun Motorly Toblesu

medlen mother tuber you dougot = T;

moha Takan dinvers dengan netocke yong olvan otherphen hemohan:

$$\begin{bmatrix} i \\ v \\ e \end{bmatrix} = T^{-1} \begin{bmatrix} 0 \\ 0 \\ s \end{bmatrix}$$

Undik mode andlars, herndran alan terbagai togra?

- > Steady without Startup &
 - rengamenthan ranghan sudah oblam heudoon Sengat lana (dw =0; di =0)
- > Study with Statups
 - Mengosumsilhun sumber ellerennul begosel don O
 - -putu male in, onalisis allahihan berkala dengan perubahan dit sengat hem