













Love (Vs + Vpef - Ve -VF) - (I+s Te) = VBC. (I+s TB) [3.3]

Assuring that Vs, Vpef are constant here:

(i)

(Vis + Vruf -Vc -Vx) +ax -Tc(Vc + Vx) = Vsc + 500 TB VBC

σ VBC = 1/TB { -VBC + (Vs+Vpef -Vc-VF) -Tc(Vc+VF)}

VOCATA LE KA VA

VOCKA = VA (1+5TA) OXA VA-dot = ITA { -VA + KA V8c}

(b) VA = (0 VA > VAprim Dd VA det ?0

VA = (0 VA < VAmin Dd VA det < 0

VA - det & else we could

VR = VRMA VA < VRMA.

VA = VA < VRMA.

VA else

also call VA @ Some VRO.

(lot we a) 1 wterder

VB-dat).

VE LIZE VE (1) لته

VF. (I+STF) = SKEVFE (ii) (ii)

~ SVF = I(-VF +SKF VFE)

c) VF = 1 { - VF + KF VFE}

(VR-VFE).1 = STEVE



a constant.

VE-dat = \frac{1}{TE} \ \VR-VFE \}

$$|I_{N}|^{2} \frac{|k_{e}|^{T_{FD}}}{|V_{E}|}$$

$$|F_{E_{X}}|^{2} = f(|I_{N}|)^{2} = f\left(\frac{|k_{e}|^{T_{FD}}}{|V_{E}|}\right)$$

Stoto Varietelses: (Four state manualels)

(Vc (it 1, V;), basically), we since it is an 1/P, with (3) VBC (with VRO VA of VRO-del VA-del) is desirilar 1 3 6 8 VBC and so we'll assure it to be

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