Classical model of for the Kundun 12 kus system utilizes the same reduced Your materia : Yesen for the power flow equations. (Refer to How AO4 for its computation).

$$\dot{\Theta}_{i}^{*} = (\omega_{i}^{*} - 1)\omega_{i}$$
 $i = 2 + Npv + 1$

$$\frac{3\times 1}{\omega_{i}} = \frac{1}{2H_{i}} \left[\begin{array}{c} P_{m_{i}} - \sum_{k=1}^{N_{pv}+1} Y_{eyen_{ik}} E_{e_{ik}} \cdot E_{i} \cos(\gamma_{ik} + \theta_{k} - \theta_{i}) \\ -K_{p_{i}}(\omega_{i}-1) \end{array} \right]$$

j= 2+ Nev+1

Assurations:

Angle dynamis are much faster than Velteze dynamis. E Machine internel veltages JEq; + Ed; = E; are can assumed constant. They are obtained either by initialyation or simply given in

the system

UL Eq; >C Edi-c ヨモノコC

Eq; >> Ed; >> 82 => and & E'LOCK (2) = The E $(E_{d,+})E_{\eta}(C_{1}-\overline{2})=E_{1}'L\gamma_{i}$ 4 E/22/0,-3 = E/27; · 627)-

So we can use 0; instead of r; is as the other



