Power 交流电 Aug Power: P= = Vm Im ws (Ov-OI) V(t)= Um los (Wt+q) = t Re(VI\*)(\* 为共有) = Re(Vme<sup>j(wety)</sup>) 注意, P=红miR=土货是错误的 = Vm c q 老又二Rtjx,则如此就R VE215 = Vm usq ti vmsing Vrms = Vm Irms = Im 焦天成 ZL=jWL,Zc=-jtc 521370910139 Power angle: 0 = 0v-01 = LZ leading: 0v < 01 조= \ Power factor:  $pf = Cos\theta = \frac{P}{|S|}$  lagging:  $\theta_v > \theta_{\bar{I}}$ 遵循经部串并联机律 Complex power: S= = VIX = = VmIm < (QV-DI) Oscillator:通过直流产生交流电 Let S=PtjQ l单位VA) P为平均实际功率(单位Watt) Q为储存灰电路中的电量(单位 VAK) Q==1Im X (Z=R+jX) Jac ] a, Q= A2+ Qc (t) SE) Wo= JRiRzCilz  $\frac{V_0}{V_2} = 1 + \frac{k_f}{k_g}$ @4种摇线后告:Y-Y,Y-△,0-0,0-1 通常以=R2 (=C2  $V_L = \int 3V_p \left( V_L \text{ line voltage, e.g.} \right)$ 三超电 IL=53[p(0-0) Va=Vp<0, Vo=Q Vp <-1200, Vc= Vp<-2400 总功率 P=3VpIpcost (Y-load) izz abcsequence, positive sequence LVp、Ip为rms, 日为Z的解度) (过来 a cb. negative 不准确,庄根据实际情况计算 4錢:Y, 3銭: △ 述到相图功率: Zo=3 Zr

互感 V=N do 下标1、2拍路识过来 M2=M21=1M Dot anvention:主线图电流从红点流入,次线圈红点产生正电压 储存能量、W=之LIT+之LIT-MI,I、(要求电流均为正) (主流入,次流出 clot) MEJLIL k= M co efficient of coupling k 20.5 loosely coupled, k > 0.5 tightly coupled 1, 1, 6 & 1, 1, (2) + 1, (3) + 1, (4) + 1, (5) + 1, (6) + 1, (7) + 1, (7) + 1, (1) + La=1,-IN Lo=12-IN Lc=IM  $L_{A} = \frac{L_{1}L_{2}-M^{2}}{L_{2}-M}$   $L_{C} = \frac{L_{1}L_{2}-M^{2}}{L_{1}-M}$   $L_{C} = \frac{L_{1}L_{2}-M^{2}}{M}$ 英压器  $\frac{V_1}{V_2} = \frac{N_1}{N_1}$   $\frac{1}{V_2} = \frac{N_2}{N_1}$  ,  $S_1 = S_2$ 左:右二1:n, 超级又要为成, V变为六, I变为n倍 Reflected Impundence

Autotransformers:海动变胆器

2