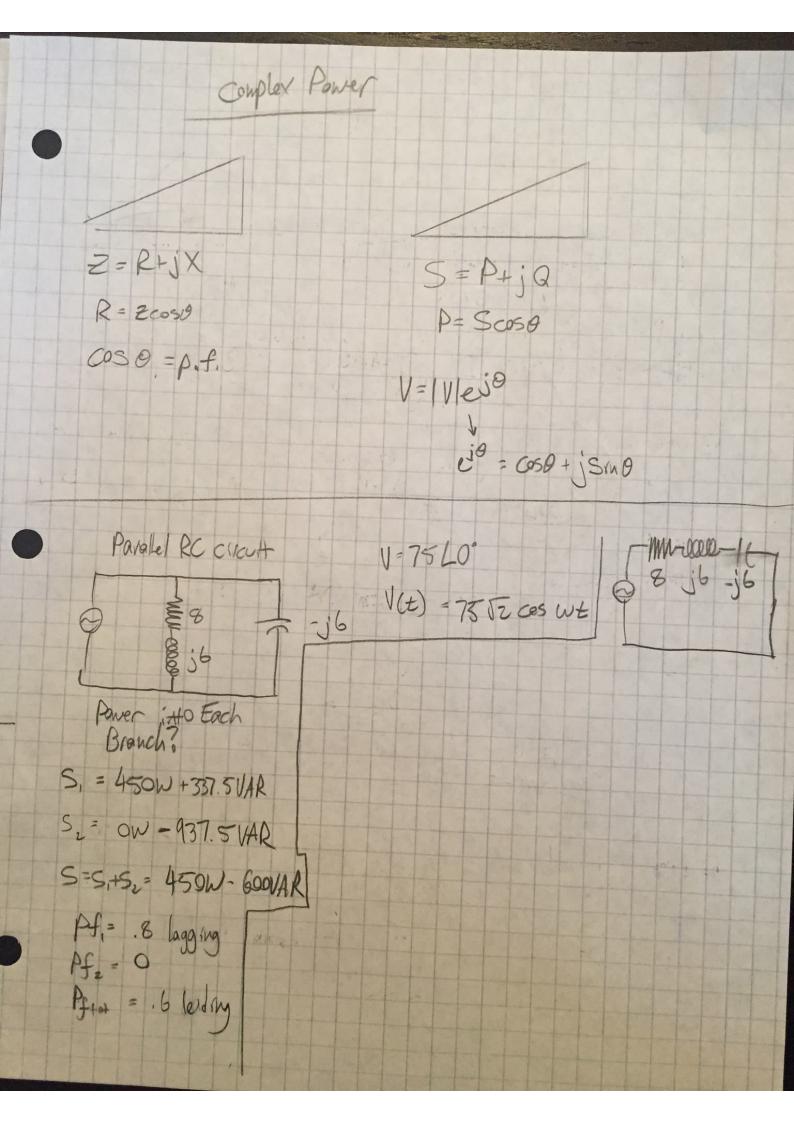
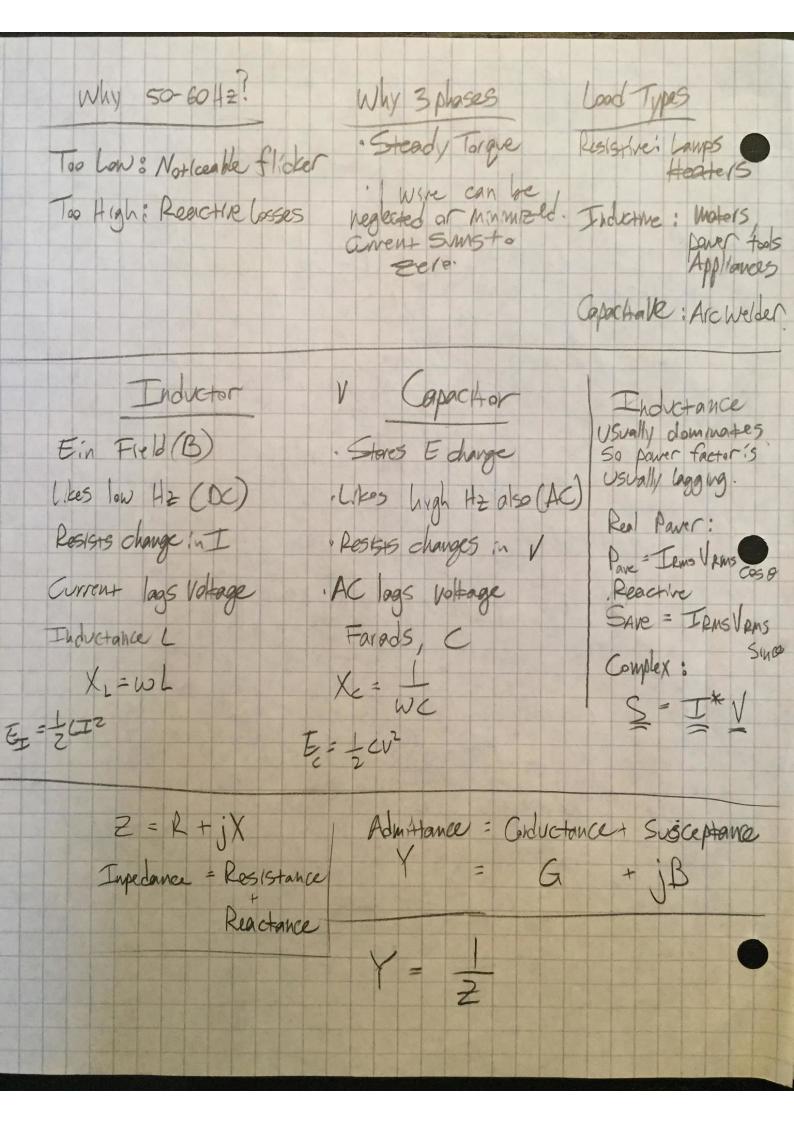
the 137A MTI Review Edison Practical DC Motor Westinghouse AC (1)
Testa int Motor D First high (1sh) AC lines pipe | Hydro @ Niagra D 20 miles Motor Votage Power D Large Companies | Ectilities Est.

Control most of | Vertical Manapolities |

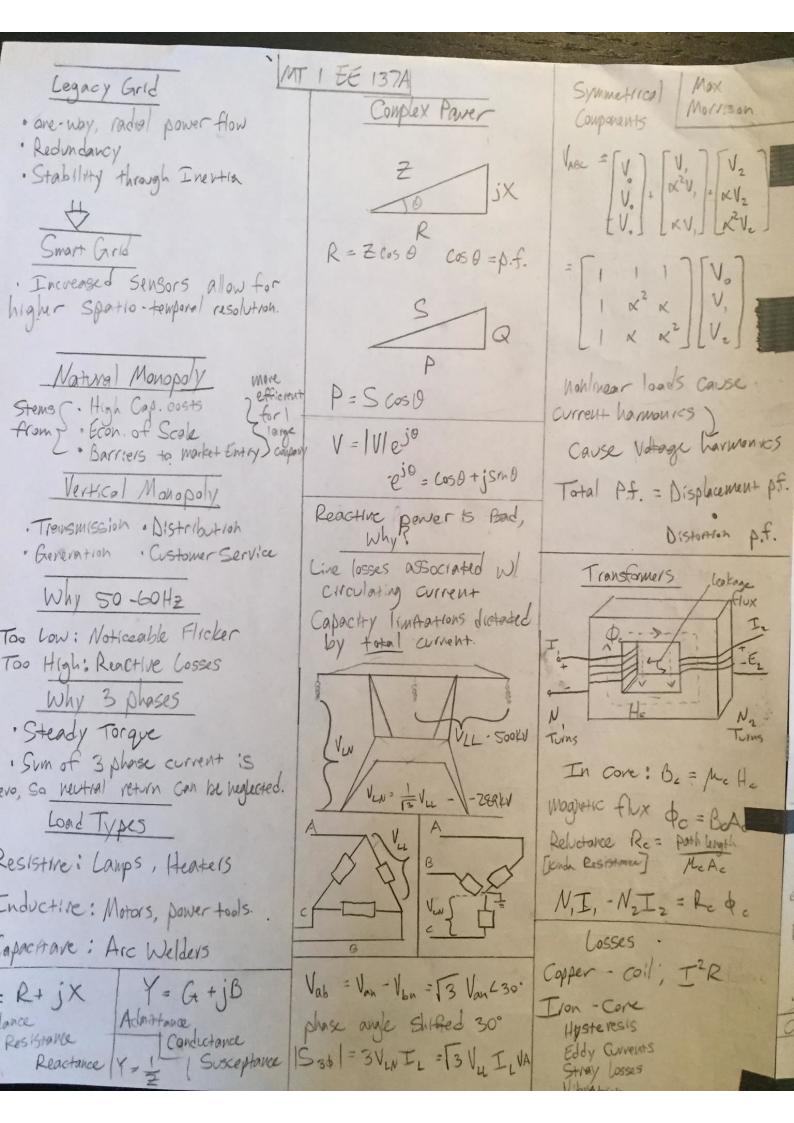
generation. Natural Monopoly States Stepin Congress breaks | D | Ruval Electification | D | Inflation, Econof Scale
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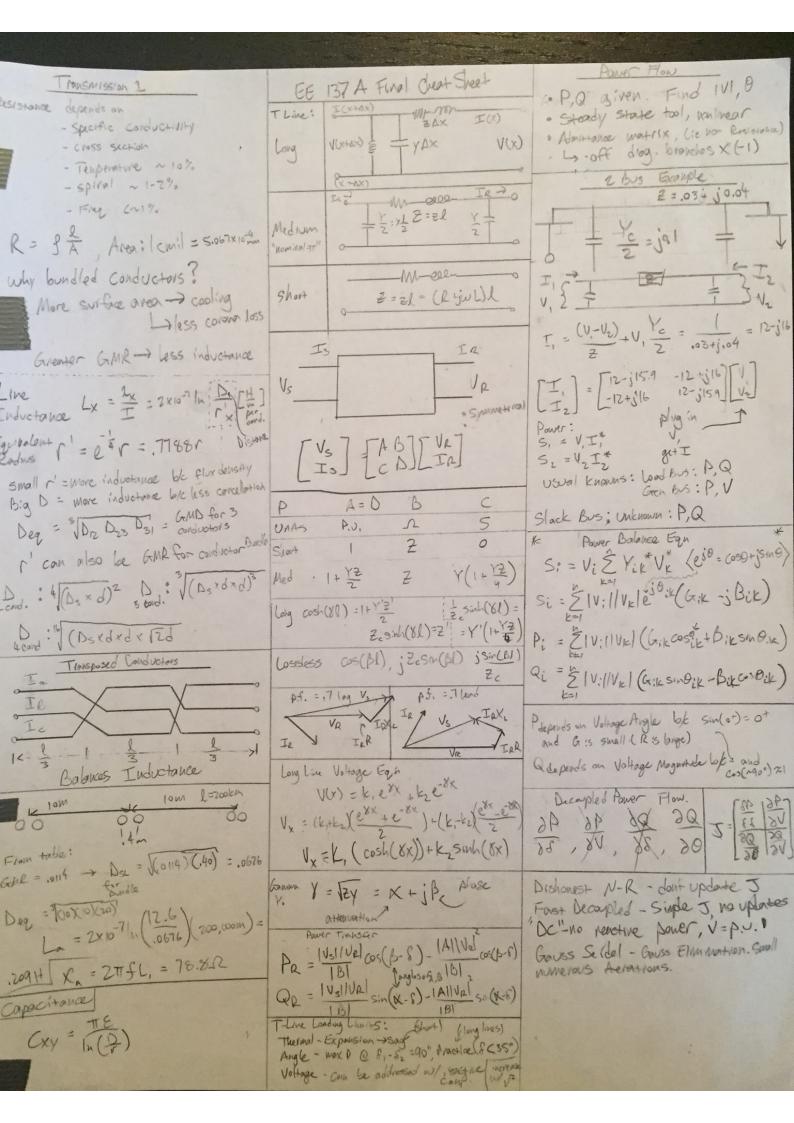
power: Power Competation FD Natural Moneyoly Vettical Monopoly Stems from High Cap. costs - Econ of Scale wore efficient · Transmission · Exercise to M. Garry S company. Generation · DISHIBHILL Customer Service. Legacy Cirl Smath Gill · One-way, Radial Power flow · Redundancy · Stability through Inertia Higher Spatioteup 10/ Resolution

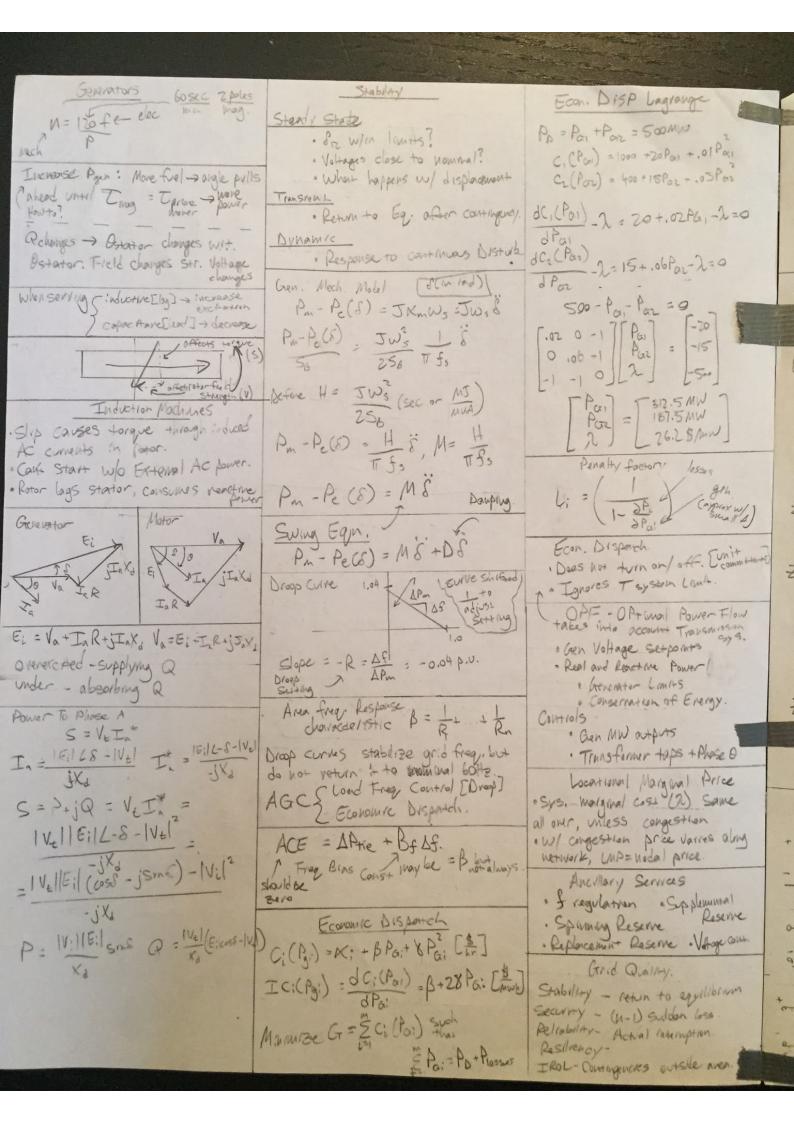




L3 Why is Reactive Power A problem? Why shirt and not seins apartos -fatt arrest Live Losses associated with · Bypass swach protection Copacity Limitations dictated · Vilnerability to Resonance 3 VII SOOKV 3 VIII SOOKV 3 VIII = 28AKV Delta VIII A Wye A VIII STA Also phase Angle is Shiffeed Val = Van - Von = 13 Van 630. VIL = 13 VIN (mgnAnde) S36 = 1530 = 3VWIL = 13VLIL VA Vil higher,







Energy Conserved = DP = P2 I2V2 = I,V, Transformer -480/120V Leakage Inspedance Zegz = .0525 2760] @ winding 2 Sb = 20 kVA Vb1 = 490V Vb2 180V Zbosez = V12 = 1202 = 721 = ,0729L78,13py. Zeg1 = 2 Zeg2 = (190) 2 (.0525 (74.13) = .84 L78.13.2 Zeg AU = Zev \_ 84678.13 = 10727 L78 pu Zerzp Transformer Suplification