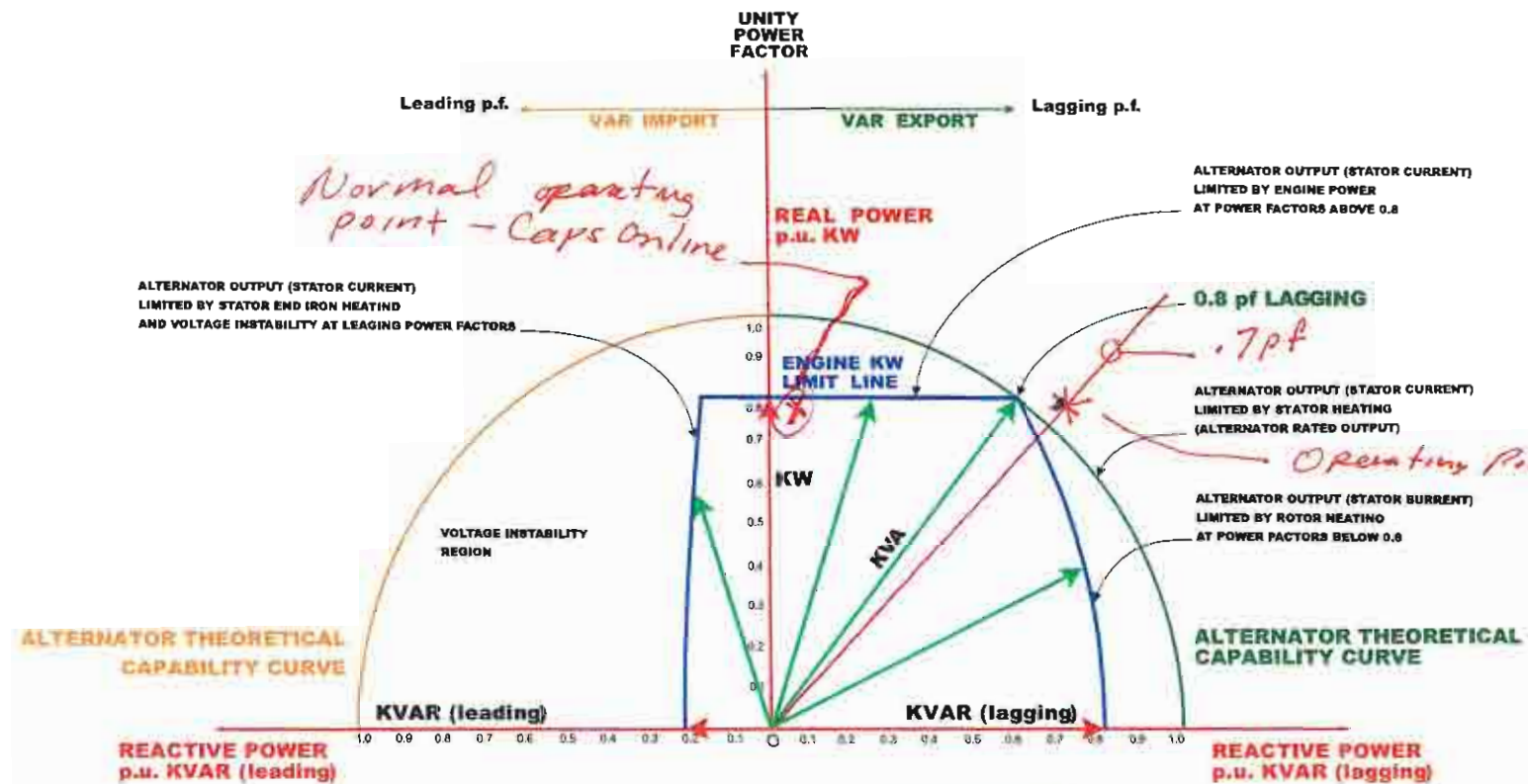


GENERATOR SET CAPABILITY CURVE



LEADING POWER FACTOR RESULTS IN THE ALTERNATOR BEING UNDER-EXCITED - LOW ROTOR (FIELD) CURRENT

LOW ROTOR (FIELD) CURRENT LEADS TO STATOR END IRON HEATING

GENERATOR SET OPERATING RANGE SHOWN BOUNDED BY THE BLUE LINE

LOW POWER FACTOR RESULTS IN THE ALTERNATOR BEING OVER-EXCITED - HIGH ROTOR (FIELD) CURRENT

HIGH ROTOR (FIELD) CURRENT LEADS TO HEATING IN THE ROTOR WINDINGS