EECS 212

Special problem 11-6

A balanced 3-phase load consumes 200 kW with a power factor of 0.6 lagging. The line voltage is 4 kVrms and the frequency is 60 Hz. Find the capacitance values that must be added to each phase to achieve a power factor of 0.9 lagging for:

a) Y-connected capacitors

b) Δ-connected capacitors