## AC Bridge Network Analysis (16:29)

Describe a complex circuit. Give an example of a complex circuit.
Use a delta to Y conversion to determine the voltage across and the current through impedance $\mathrm{Z}_{\mathrm{x}}$.

E. RON $/ 0^{\circ}$
$\mathrm{En}_{n}$-2702. 12 S $^{\circ}$
$Z_{n}-240 \pi \angle 0^{\circ}$
$Z_{x}+2700 \angle 25^{\circ}$


Use Thevenin's Theorem to determine the voltage across and the current through impedance $\mathrm{Z}_{\mathrm{x}}$.

E. $20010^{\circ}$
 $Z_{8}=240 \pi \angle 0^{\circ}$
$Z_{x}+2700<25^{\circ}$
$2,-2702.125^{\circ}$
$\Sigma_{8}+100 \Omega<=00$

