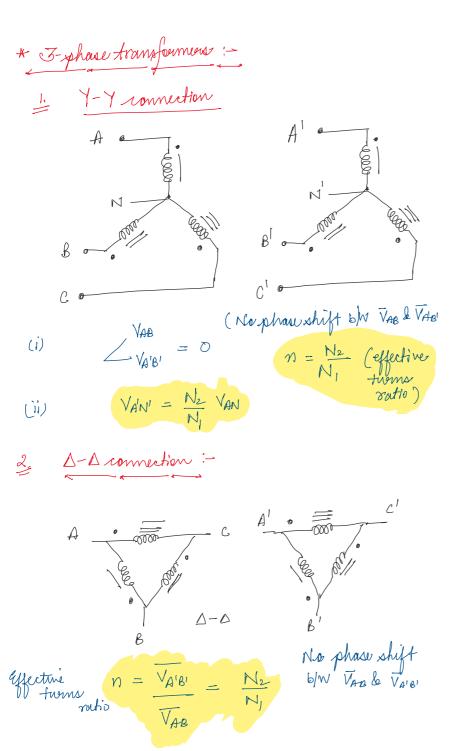
Lecture 14

Tuesday, 5 March 2024 3:35 PM

EE114 - Power Engineering 1

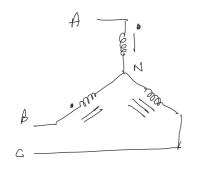
Course instructor: Prof. Sandeep Anand

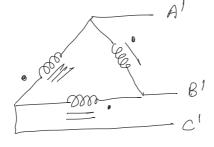
Scribe: Saurabh Singh



Here the voltage difference across the coupled coils is same.







$$\sqrt{N_1} = \frac{N_2}{N_1} \sqrt{N_1}$$

$$V_{AB} = \frac{N_b}{N_1} \frac{1}{\sqrt{3}} V_{AB} \angle 30^\circ$$

$$y_1 = \frac{V_{A'B'}}{V_{AB}} = \frac{N_2}{N_1} \frac{1}{\sqrt{3}} \frac{1}{\sqrt{3}} \frac{1}{\sqrt{3}}$$

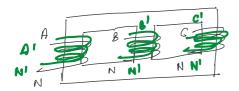
Popular configuration

We need neutral on distribution side.

x OpenZelta:

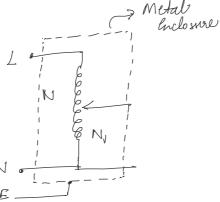
Emperous availability of supply

* Practical 3 phransformer:



* Distribution system:

Any metal enclosure has to be everthed (physically earthed) to avoid shock due to static charge.



Also if line wire is damaged be truches the metal inclosure and the enclosure is not coathed then if someone touches it, the presson may

