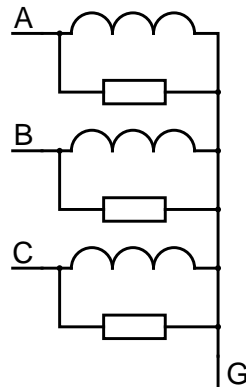
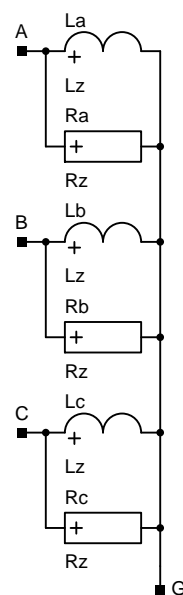


Three Phase Load



Assumptions

Model trifazove vykonove linearni zateze



Interface

A
B
C
G

External Parameters

$P = 1$ [kW] Cenny odber zateze
 $Q = 0.5$ [kVAr] Jalovy odber zateze

Un = 110 [kV] Jmenovite napeti
Freq1 = 50 [Hz] Jmenovita frekvence

System Parameters

Data

:: Three Phase Load

LOAD3F1

A,

B,

C,

G/

P=1, :: [kW] Cinny odber zateze

Q=0.5, :: [kVAR] Jalovy odber zateze

Un=110, :: [kV] Jmenovite napeti

Freq1=50; :: [Hz] Jmenovita frekvence

$Lz = (Un * Un * 1000 / Q) / (2 * \pi * Freq1);$

$Rz = Un * Un * 1000 / P;$

La A-G = Lz;

Lb B-G = Lz;

Lc C-G = Lz;

Ra A-G = Rz;

Rb B-G = Rz;

Rc C-G = Rz;

EO@;

Origin

Karel Nohá KEE, FEL, Z U v Plzni

Last Update

September 18, 2008