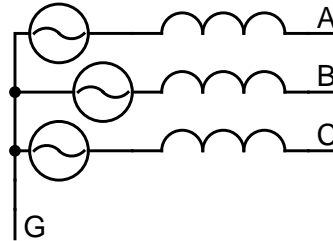
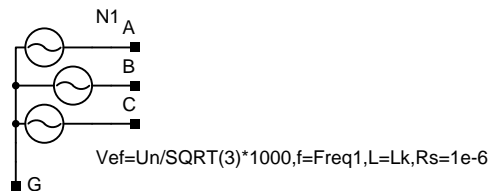


Three Phase Power Source



Assumptions

Model trifazoveho zdroje napajeciho uzel elektrizacni soustavy



Interface

A
B
C
G

External Parameters

$U_n = 110$ [kV] Jmenovite napeti
 $S_{ks} = 1000$ [MVA] Zkratovy vykon
 $f_{req1} = 50$ [Hz] Jmenovita frekvence

System Parameters

Data

```
:: Three Phase Power Source
POWERSOURCE3F
A,
B,
C,
G/
Un=110,          :: [kV]   Jmenovite napeti
Sks=1000,       :: [MVA]  Zkratovy vykon
Freq1=50;       :: [Hz]   Jmenovita frekvence
```

$Z_k = U_n * U_n / S_{ks}$;
 $L_k = Z_k / (2\pi * f_{req1})$;

N1 > @mains3 G,A,B,C / $V_{ef} = U_n / \text{SQRT}(3) * 1000$, $f = f_{req1}$, $L = L_k$,
 $R_s = 1e-6$;

EO@;

Origin

Karel Nohá KEE, FEL, Z U v Plzni

Last Update

September 18, 2008