# Skupina 1

>> TRaVEDCast0Sk1

Un = 110

Um = 89.815

f = 50

Omega = 314.16

Sn = 40

Uk = 10

I0 = 2

dPk = 1

dP0 = 0.50000

dPcu = 1

dPfe = 0.50000

Rk = 3.0250

Zk = 30.250

Xs = 30.098

Ls = 0.095806

Rk1 = 1.5125

Ls1 = 0.047903

Xs1 = 15.049

Gfe = 0.000016529

Rfe = 60500

Yg = 0.000066116

Xh = 15621.03283

Lh = 49.723

In = 0.20995

Zn = 302.50

>> TRaVEDCast1

Z0=sqrt(Rk1^2+Xh^2)

I0m=Um/Z0

Tau0=Lh/Rk1

Psi0=atan(Xh/Rk1)

Z0 = 15621.03290

I0m = 0.0057496

Tau0 = 32.875

Psi0 = 1.5707

>> TRaVEDCast2

I0mPom=In\*I0/100\*sqrt(2)\*2

Z02=Rk1+i\*Xs1+1/(1/Rfe+1/(i\*Xh))

I0m2=Um/abs(Z02)

Psi02=atan(imag(Z02)/real(Z02))

Zpozdeni0=Psi02/pi\*0.01

I0mPom = 0.011876

Z02 = 3782.76250 + 14659.76746i

I0m2 = 0.0059323

Psi02 = 1.3183

Zpozdeni0 = 0.0041962

>> TRaVEDCast3

Ikm=(Uk/100)\*Um/Zk

TauK=Ls/Rk

PsiK=atan(Xs/Rk)

Ikm = 0.29691

TauK = 0.031671

PsiK = 1.4706

>> TRaVEDCast4

IkmPom=In\*sqrt(2)\*2

Zk2=  
Rk1+i\*Xs1+1/(1/Rfe+1/(i\*Xh)+1/(Rk1+i\*Xs1))

Ikm2=(Uk/100)\*Um/abs(Zk2)

PsiK2=atan(imag(Zk2)/real(Zk2))

ZpozdeniK=PsiK2/pi\*0.01

IkmPom = 0.59382

Zk2 = 3.0258 + 30.0833i

Ikm2 = 0.29705

PsiK2 = 1.4706

ZpozdeniK = 0.0046809

# Skupina 2

>> TRaVEDCast0Sk2

Un = 400

Um = 326.60

f = 50

Omega = 314.16

Sn = 1000

Uk = 9

I0 = 1

dPk = 1

dP0 = 0.30000

dPcu = 1

dPfe = 0.30000

Rk = 1.6000

Zk = 14.400

Xs = 14.311

Ls = 0.045553

Rk1 = 0.80000

Ls1 = 0.022776

Xs1 = 7.1554

Gfe = 0.000018750

Rfe = 53333.33333

Yg = 0.000062500

Xh = 16772.55739

Lh = 53.389

In = 1.4434

Zn = 160

>> TRaVEDCast1

Z0=sqrt(Rk1^2+Xh^2)

I0m=Um/Z0

Tau0=Lh/Rk1

Psi0=atan(Xh/Rk1)

Z0 = 16772.55741

I0m = 0.019472

Tau0 = 66.736

Psi0 = 1.5707

>> TRaVEDCast2

I0mPom=In\*I0/100\*sqrt(2)\*2

Z02=Rk1+i\*Xs1+1/(1/Rfe+1/(i\*Xh))

I0m2=Um/abs(Z02)

Psi02=atan(imag(Z02)/real(Z02))

Zpozdeni0=Psi02/pi\*0.01

I0mPom = 0.040825

Z02 = 4800.80000 + 15270.18264i

I0m2 = 0.020403

Psi02 = 1.2662

Zpozdeni0 = 0.0040304

>> TRaVEDCast3

Ikm=(Uk/100)\*Um/Zk

TauK=Ls/Rk

PsiK=atan(Xs/Rk)

Ikm = 2.0412

TauK = 0.028471

PsiK = 1.4595

>> TRaVEDCast4

IkmPom=In\*sqrt(2)\*2

Zk2=  
Rk1+i\*Xs1+1/(1/Rfe+1/(i\*Xh)+1/(Rk1+i\*Xs1))

Ikm2=(Uk/100)\*Um/abs(Zk2)

PsiK2=atan(imag(Zk2)/real(Zk2))

ZpozdeniK=PsiK2/pi\*0.01

IkmPom = 4.0825

Zk2 = 1.6003 + 14.3076i

Ikm2 = 2.0417

PsiK2 = 1.4594

ZpozdeniK = 0.0046455