Umwandlung von Impedanzen

Umwandlungen am Transformator

Tor 1	A allgemein	A reziprok	A reziprok	H allgemein	H reziprok	H reziprok
Z_1	$\dfrac{A_{11}}{A_{22}}Z_2$	$(A_{11})^2 Z_2$	$\dfrac{1}{(A_{22})^2}Z_2$	$H_{12}H_{21}Z_2$	$(H_{12})^2 Z_2$	$(H_{21})^2 Z_2$
C_1	$\dfrac{A_{22}}{A_{11}}C_2$	$\dfrac{1}{(A_{11})^2}C_2$	$(A_{22})^2 C_2$	$\dfrac{1}{H_{12}H_{21}}C_2$	$\dfrac{1}{(H_{12})^2}C_2$	$\dfrac{1}{(H_{22})^2}C_2$
L_1	$\dfrac{A_{11}}{A_{22}}L_2$	$(A_{11})^2 L_2$	$\dfrac{1}{(A_{22})^2}L_2$	$H_{12}H_{21}L_2$	$(H_{12})^2 L_2$	$(H_{21})^2 L_2$
Y_1	$A_{11}Y_2$	$A_{11}Y_2$	$A_{11}Y_2$	$H_{12}Y_2$	$H_{12}Y_2$	$H_{12}Y_2$
I_{X1}	$-A_{22}I_{X2}$	$-A_{22}I_{X2}$	$-A_{22}I_{X2}$	$\dfrac{1}{H_{21}}I_{X2}$	$\dfrac{1}{H_{21}}I_{X2}$	$\dfrac{1}{H_{21}}I_{X2}$

Umwandlungen am Gyrator

Tor 1	A allgemein	A reziprok	A reziprok	Y allgemein	Y reziprok	Y reziprok
Z_1	$\dfrac{A_{12}}{A_{21}}\dfrac{1}{Z_2}$	$(A_{12})^2\dfrac{1}{Z_2}$	$\dfrac{1}{(A_{21})^2}\dfrac{1}{Z_2}$	$\dfrac{1}{G_{12}G_{21}}\dfrac{1}{Z_2}$	$\dfrac{1}{(G_{12})^2}\dfrac{1}{Z_2}$	$\dfrac{1}{(G_{21})^2}\dfrac{1}{Z_2}$
C_1	$\dfrac{A_{21}}{A_{12}}L_2$	$\dfrac{1}{(A_{12})^2}L_2$	$(A_{21})^2 L_2$	$G_{12}G_{21}L_2$	$(G_{12})^2 L_2$	$(G_{21})^2 L_2$
L_1	$\dfrac{A_{12}}{A_{21}}C_2$	$(A_{12})^2 C_2$	$\dfrac{1}{(A_{21})^2}C_2$	$\dfrac{1}{G_{12}G_{21}}C_2$	$\dfrac{1}{(G_{12})^2}C_2$	$\dfrac{1}{(G_{21})^2}C_2$
Y_1	$-A_{12}I_{X2}$	$-A_{12}I_{X2}$	$-A_{12}I_{X2}$	$\dfrac{1}{G_{21}}I_{X2}$	$\dfrac{1}{G_{21}}I_{X2}$	$\dfrac{1}{G_{21}}I_{X2}$
I_{X1}	$A_{21}Y_2$	$A_{21}Y_2$	$A_{21}Y_2$	$G_{12}Y_2$	$G_{12}Y_2$	$G_{12}Y_2$