

2)

$$AC: R_2 \parallel (R_1 + R_3)$$

$$\frac{R_2 \cdot (R_1 + R_3)}{R_1 + R_2 + R_3} = R_1' + R_3'$$

3)

$$BC: R_1 \parallel (R_2 + R_3)$$

$$\frac{R_1 (R_2 + R_3)}{R_1 + R_2 + R_3} = R_2' + R_3'$$

Dreieck - Stern - Transformation

Stern - Dreieck - Transformation

$$R_1' = \frac{R_2 R_3}{R_1 + R_2 + R_3}$$

$$R_2' = \frac{R_1 R_3}{R_1 + R_2 + R_3}$$

$$R_3' = \frac{R_1 R_2}{R_1 + R_2 + R_3}$$

$$R_1 = \frac{R_1' R_2' + R_2' R_3' + R_1' R_3'}{R_1'}$$

$$G_1 = \frac{G_2' G_3'}{G_1' + G_2' + G_3'}$$

$$R_2 = \frac{R_1' R_2' + R_2' R_3' + R_1' R_3'}{R_2'}$$

$$G_2 = \frac{G_1' G_3'}{G_1' + G_2' + G_3'}$$

$$R_3 = \frac{R_1' R_2' + R_2' R_3' + R_1' R_3'}{R_3'}$$

$$G_3 = \frac{G_1' G_2'}{G_1' + G_2' + G_3'}$$