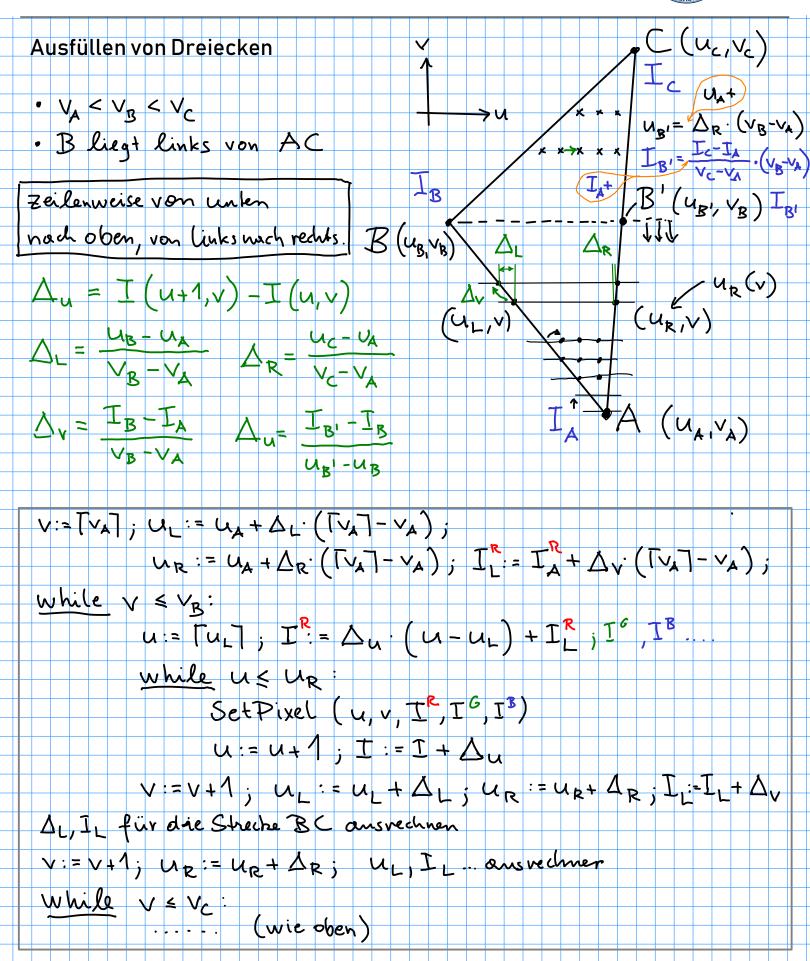
## Computergrafik





$$I = I(u,v) = \alpha u + bv + c$$

$$I(u,v) = I_{A} = \alpha \cdot u_{A} + bv_{A} + c$$

$$I(u_{B},v_{B}) = I_{B} = \dots$$

$$I(u_{C},v_{C}) = I_{C}$$

$$I(u_{c_{1}}v_{c})=I_{c}$$

$$a,b,c \text{ ausrednen ...}$$

$$\Delta_{u}=O=\frac{\begin{vmatrix}I_{A} & v_{A} & 1\\ I_{R} & v_{B} & 1\\ I_{C} & v_{B} & 1\end{vmatrix}}{\begin{vmatrix}U_{A} & v_{A} & 1\\ U_{B} & v_{B} & 1\\ U_{C} & v_{B} & 1\end{vmatrix}} = \frac{(I_{B}-I_{A})(v_{c}-v_{A})-(I_{C}-I_{A})(v_{B}-v_{A})}{(U_{B}-V_{A})(v_{C}-V_{A})-(u_{C}-U_{A})(v_{B}-V_{A})}$$

$$A_{u}=O=\frac{\begin{vmatrix}I_{A} & v_{A} & 1\\ I_{C} & v_{B} & 1\\ I_{C} & v_{B} & 1\end{vmatrix}}{\begin{vmatrix}U_{A} & v_{A} & 1\\ I_{C} & v_{B} & 1\end{vmatrix}} = \frac{(I_{B}-I_{A})(v_{C}-v_{A})-(I_{C}-I_{A})(v_{B}-v_{A})}{(U_{B}-V_{A})(v_{C}-V_{A})-(I_{C}-U_{A})(v_{B}-V_{A})}$$

$$A_{u}=O=\frac{|I_{A} & v_{A} & 1\\ |I_{C} & v_{B} & 1\end{vmatrix}}{|I_{C} & v_{B} & 1} = \frac{(I_{B}-I_{A})(v_{C}-v_{A})-(I_{C}-I_{A})(v_{B}-v_{A})}{|I_{C} & v_{B} & 1|}$$

$$A_{u}=O=\frac{|I_{A} & v_{A} & 1|}{|I_{C} & v_{B} & 1|} = \frac{(I_{B}-I_{A})(v_{C}-v_{A})-(I_{C}-I_{A})(v_{B}-v_{A})}{|I_{C} & v_{B} & 1|}$$

$$A_{u}=O=\frac{|I_{A} & v_{A} & 1|}{|I_{C} & v_{B} & 1|} = \frac{(I_{B}-I_{A})(v_{C}-v_{A})-(I_{C}-I_{A})(v_{B}-v_{A})}{|I_{C} & v_{B} & 1|} = \frac{(I_{B}-I_{A})(v_{C}-v_{A})-(I_{C}-I_{A})(v_{C}-v_{A})}{|I_{C} & v_{B} & 1|} = \frac{(I_{B}-I_{A})(v_{C}-v_{A})}{|I_{C} & v_{B} & 1|} = \frac{(I_{B}-I$$