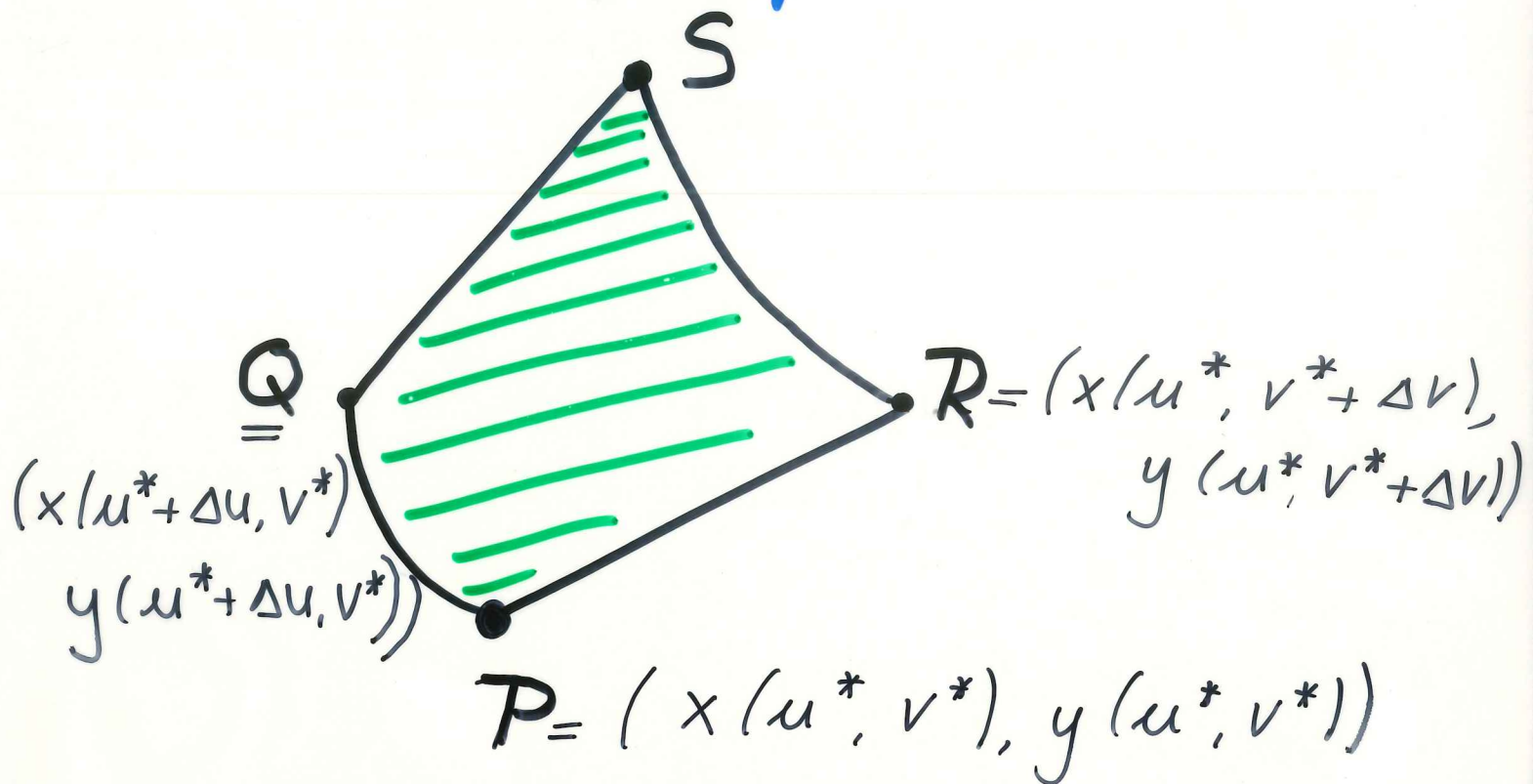


Close up:



Fläche (PQRS) \approx

\approx Fläche des Parallelogramms (PQRS) =

$$= \left| \det \begin{pmatrix} \vec{PQ} & \vec{PR} \end{pmatrix} \right| \approx$$

$$\approx \left| \det \begin{pmatrix} x_u(u^*, v^*) & x_v(u^*, v^*) \\ y_u(u^*, v^*) & y_v(u^*, v^*) \end{pmatrix} \right| \Delta u \Delta v =$$

$$= \left| J_T(u^*, v^*) \right| \Delta u \Delta v$$