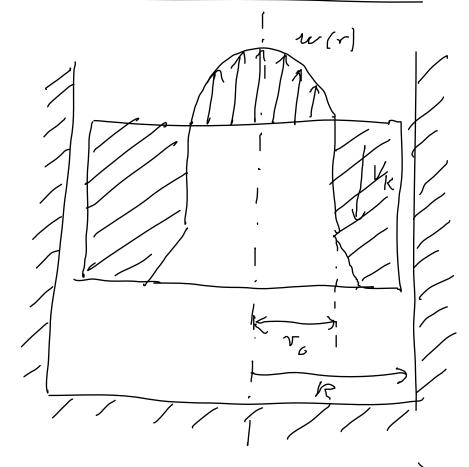
Hontinutatsylichung



$$w(r) = W_0 \left\{ 1 - \left( \frac{r}{r_0} \right)^2 \right\}$$

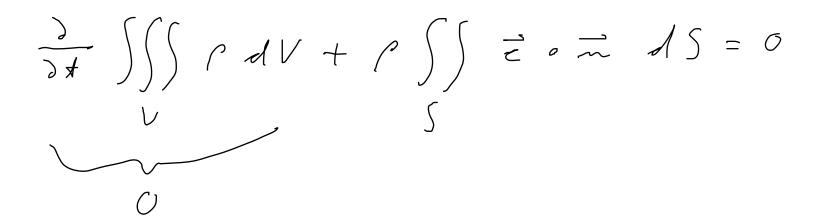


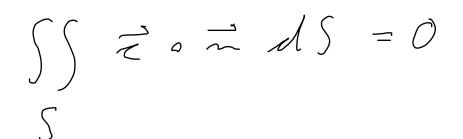
TECHNISCHE UNIVERSITÄT DARMSTADT





Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4



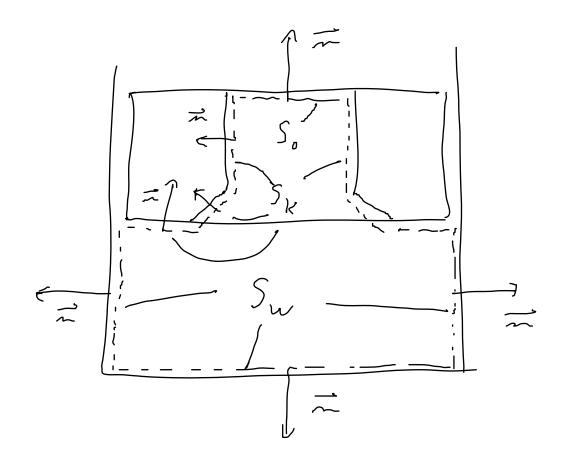








Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4

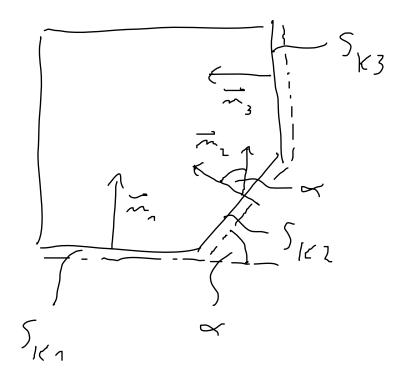






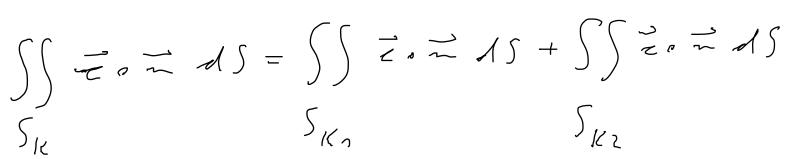


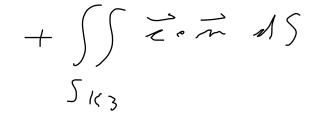
Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4



Ilolleward:

= - V, = = Z





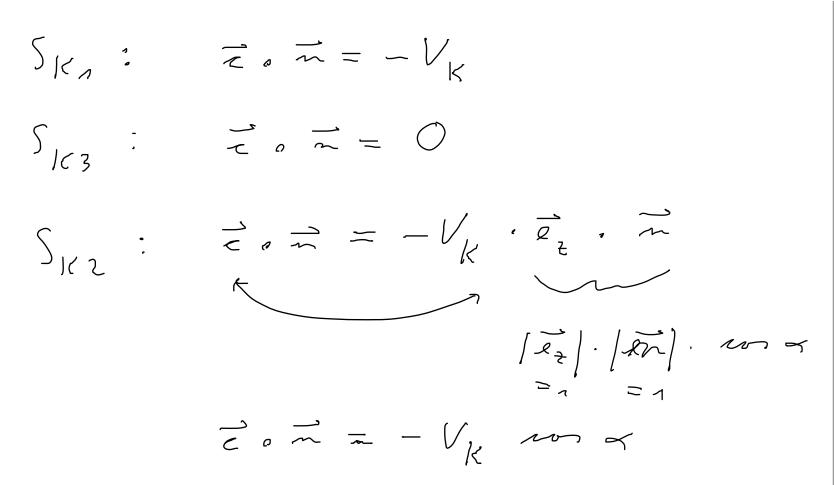


TECHNISCHE UNIVERSITÄT DARMSTADT





Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4



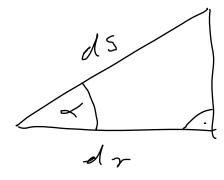






Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4

$$dS_{K_1} = r dr d4$$



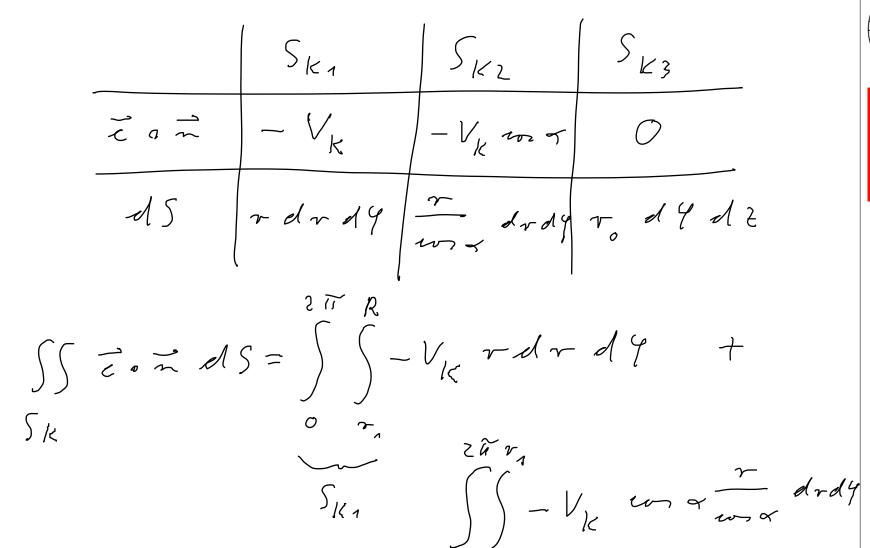
$$r = \frac{g(v)}{ds}$$







Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4

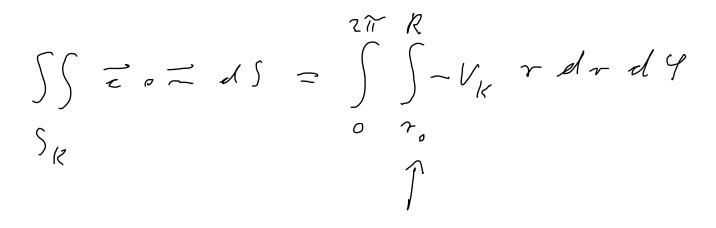


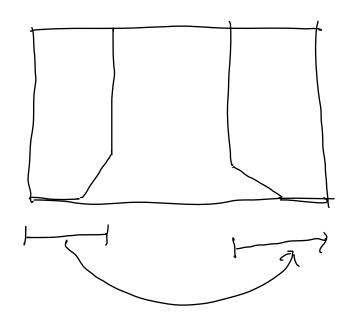


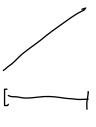




Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4





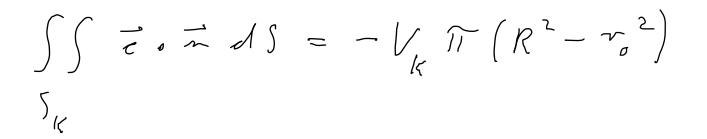


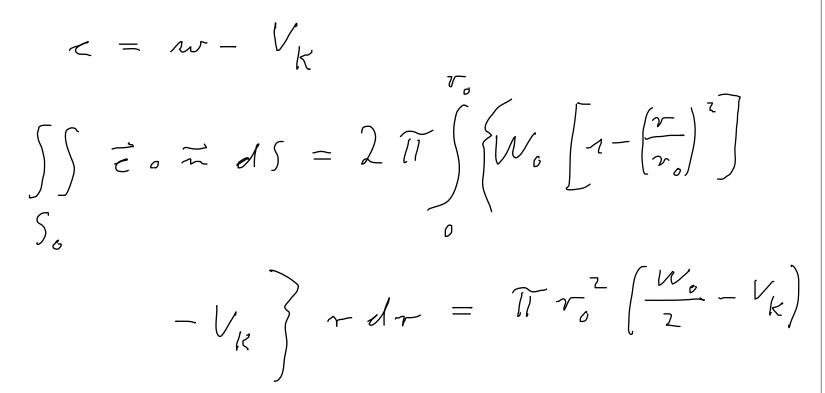






Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4



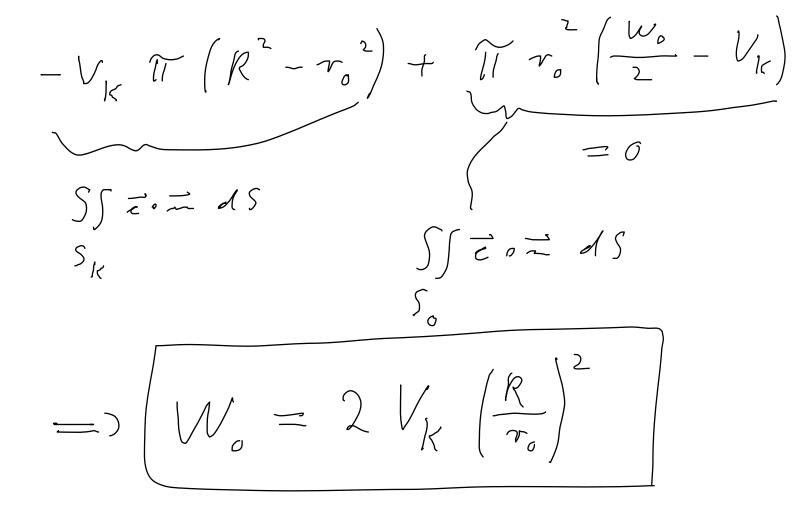








Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4





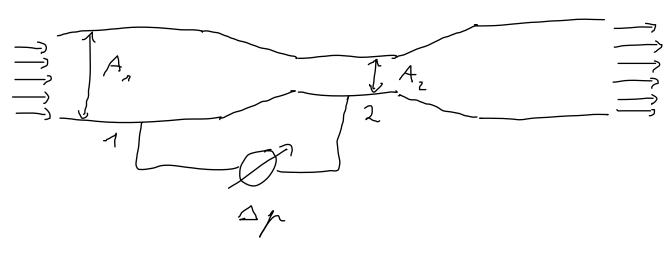




Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4

Bernoulli - Glishing

Vertunidin



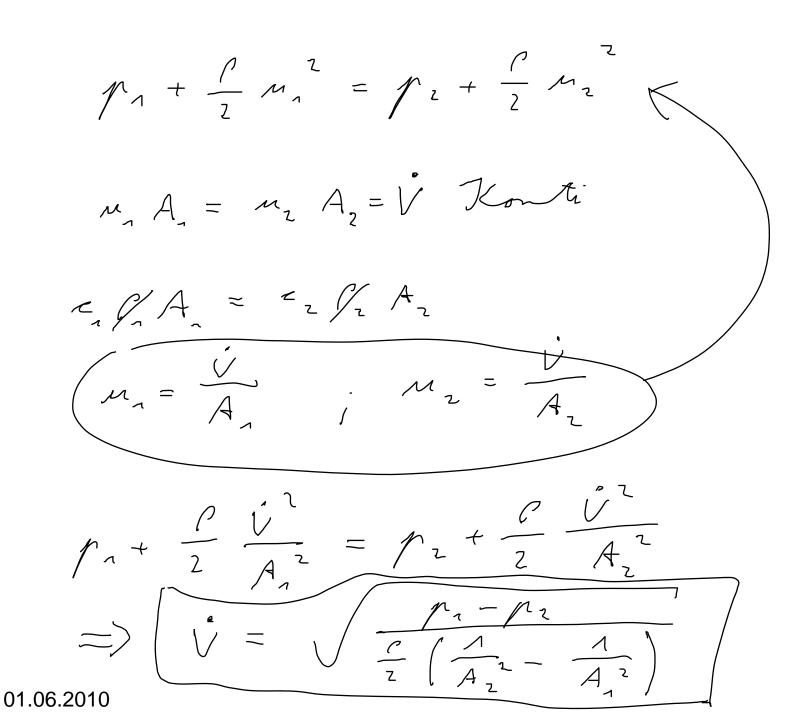
 $\dot{V}(\Delta p)$  ?







Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4

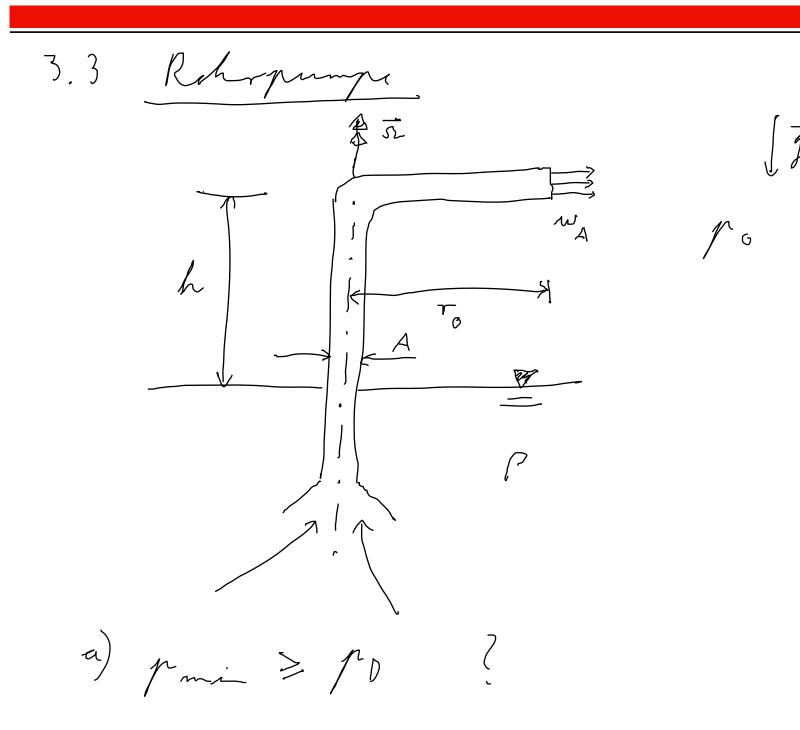








Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4

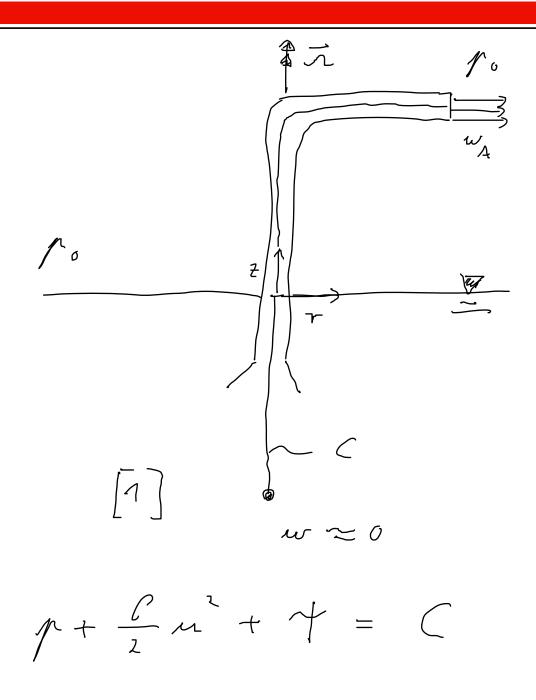








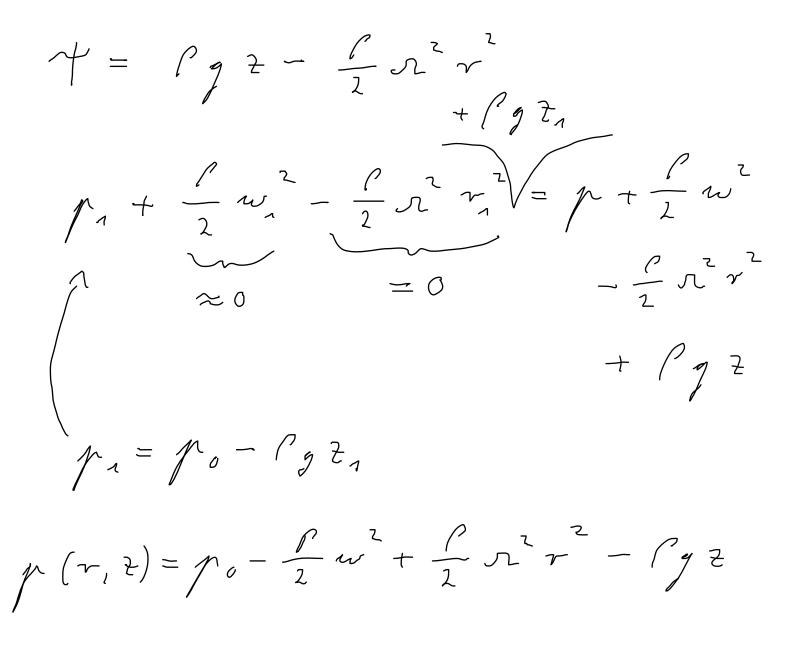
Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4







Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4









Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4

RB:

$$p(r=r_{0}, z=L)=\rho_{0}$$

Honti: w = W

$$\frac{\int_{2}^{2} w_{A}^{2} = \frac{\int_{2}^{2} \int_{2}^{2} v_{o}^{2} - \rho_{gh}}{2}$$

$$=) \left[ r(r, z) = r_0 + \frac{r}{2} r^2 (r^2 - r_0^2) \right]$$

$$+ r_2 (h - z)$$

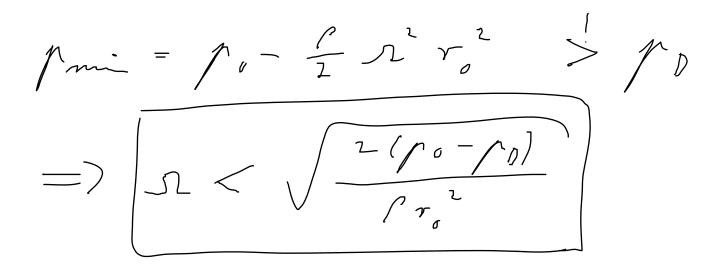
7 = 1 + = 0







Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4









Prof. Dr. Ing. Peter Pelz Sommersemester 2010 Strömungslehre für Mechatronik Vorrechenübung 4