





b) Velger partet en langt borte fra foiken, 100 + 1 U2 = 12 + 1 U2 = 100 + 100 = U2 = U2 + U0 = (Q + Vas(6))2+(-Vsm(0))2 = 0 1 + 0 U cos 0 + 0 cos (6) + 0 six(0) 4m2 1/ (1-12) 2m 1/ (1-12) + U2
4m2 1/ (1-12) 2m 1/ (1-12) + U2 U'sim'0 + U'cos Osmo + U2 1 (11-6)) + (11-6) + U2 $= 0^{2} \left(1 + \frac{\sin^{2}\theta}{(1-\theta)^{2}} + \frac{\sin(2\theta)}{(1-\theta)}\right)$ => P2-Pas = AP = 7 P (U) - U1) = 7 P (- 512 + 612 - 101-6)

Kavitasjon skje i omeider med lavæst tryble. Der det går under damptrythet). a) * Strømfanksjonen er et funksjon for å beskrive strømmingen Visaelt og et definert slik:

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6 2 2 Sette vi 4 = en konstant, fair vi strønlinjene. $\sqrt[3]{2} \nabla \varphi$ slik of $u = \frac{\partial \varphi}{\partial x}$, $v = \frac{\partial \varphi}{\partial y}$ $\frac{\partial g}{\partial y} = \frac{\partial g}{\partial y} = \frac{\partial g}{\partial y}$) 20 24 20 24 20 24 24 24 The streamfunction equal to a constant is a streamline. $\overrightarrow{\nabla} = \overrightarrow{\nabla} \phi = \overrightarrow{\partial} \qquad \overrightarrow{\partial} \varphi \qquad \overrightarrow{\nabla} = \overrightarrow{\partial} \varphi \qquad \overrightarrow{\partial} \varphi$ The stream function is not dofined for three dimensions



