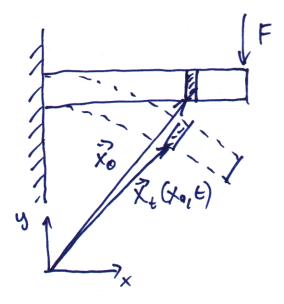
Räumliche und zeibliche Abhängigseiten:

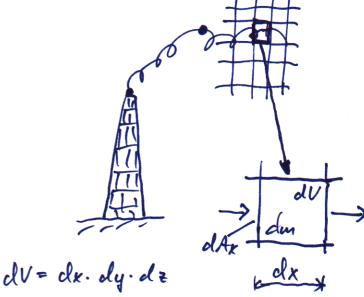
$$\frac{3f}{5\phi}, \frac{3x}{5\phi}, \frac{3x}{5\phi}, \frac{25}{5\phi}, \frac{2x}{5\phi}$$

M = g.V; für die Ströuwingen g ist wichtig:  $g = \frac{m}{V}$ 

dagrange



E) Euler



dAx = dy. dz

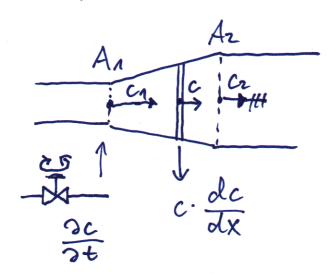
Landi. in 
$$x: \frac{gv_x}{du} \frac{gv_x - d(gv_x)}{dv_x}$$

$$\frac{du}{dt} = \frac{dgV}{dt} = dA_x \left( \left( gv_x - d(gv_x) \right) - gv_x \right)$$

$$\frac{dg}{dt} = \frac{dA_x}{dV} \left( -d(gv_x) \right) = -\frac{d(gv_x)}{dX}$$

$$\Rightarrow \frac{dg}{dt} + \frac{dgv_x}{dx} = 0$$

$$\frac{d\phi}{dt} = \frac{3\phi}{3t} + \sigma \frac{3\phi}{3\chi}$$
Removative Beschl.



Konfi:

ni = konst

in = g·V = g·c·A

inzomp.: s = konst.

-> c·A = konst.

Festkörper

YNFNZ ~ dx Verschiebung

Fluid

