Fluid Dynamics

Einschreibeschlüssel: $\int L d \cdot 24$
↑ kleines el !

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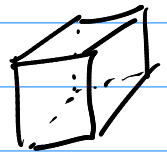
Example: $2H_2 + O_2 = 2H_2O$

⇒ komplex detailed Reaktion steps!

Chap 1, p. 12

Fluid Element 

- Continuum: sufficiently many particles.
- dimensions small compared to size of system of interest.
- fluid elements are in contact with each other

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Unit conversion:

$$\rho = \frac{kg}{m^3} = \frac{1000\,g}{(100)^3\,cm^3} = \dots$$

$$\dot{V} = \frac{l}{h} = \frac{1000^{-1}\,m^3}{3600\,s} = \dots$$