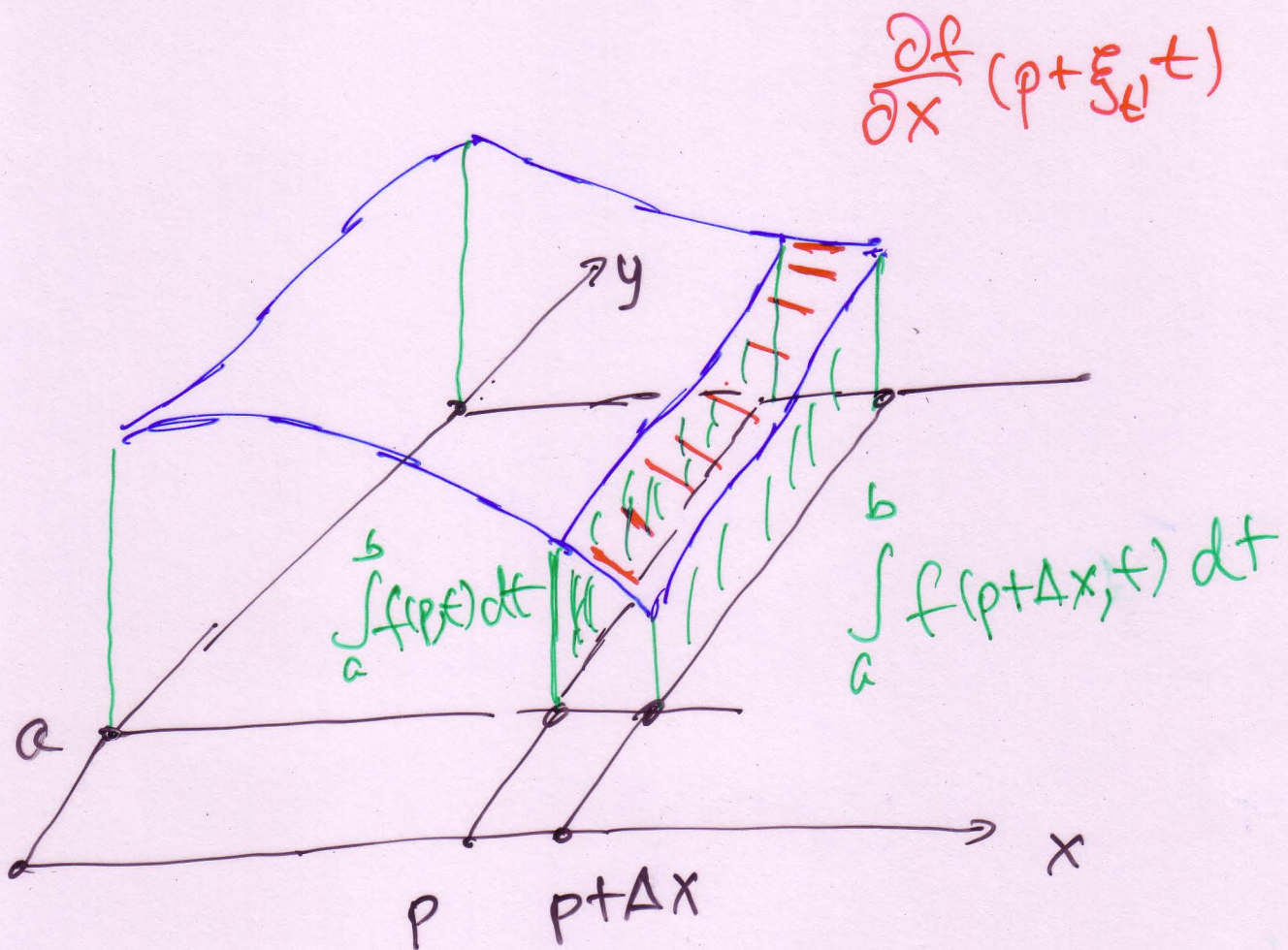


(1)



20.3.1. Satz  $M \subseteq \mathbb{R}^n$  offen  
 $f: M \times [a, b]$  stetig diffbar

$$\Rightarrow \left( \frac{\partial}{\partial x_i} \int_a^b f(x, t) dt \right) (p) = \int_a^b \frac{\partial f}{\partial x_i}(p, t) dt$$

Besp  $\frac{\partial}{\partial x} \int_0^1 x t^2 dt$