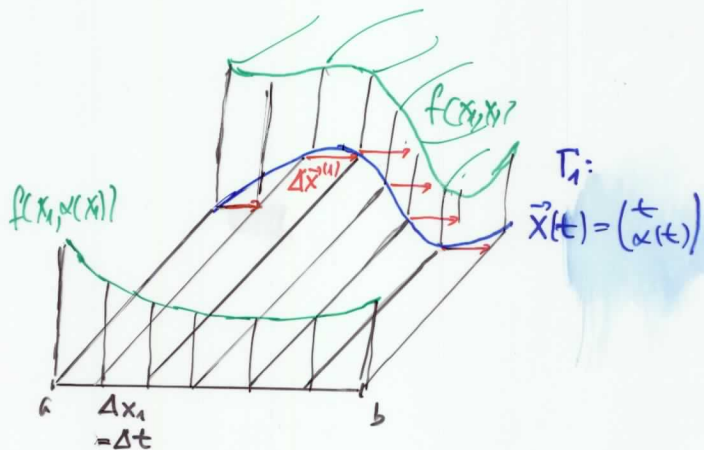
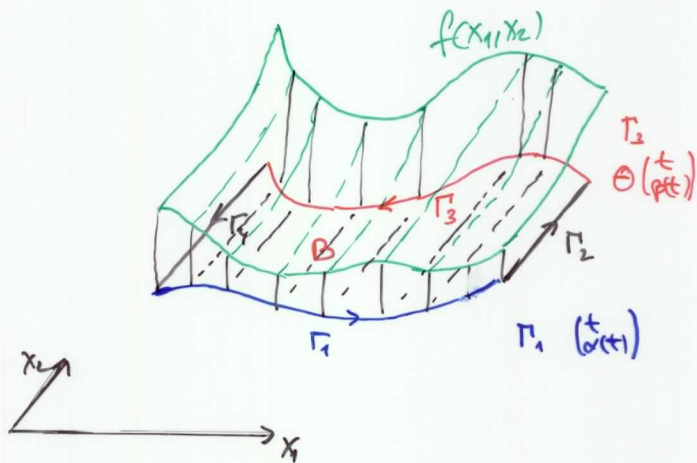


$$\sum \boxed{\phantom{0}} = \int_{\gamma} f(\vec{x}) d\vec{x}^{(1)}$$

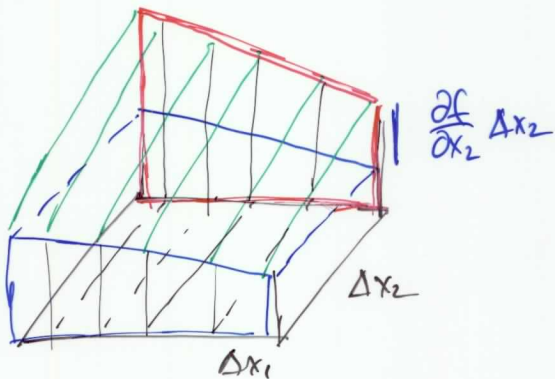


$$\int_a^b f(x_1, \alpha(x_1)) dx_1 = \int_{\Gamma_1} f(\vec{x}) d\vec{x}^{(1)}$$



$$\int_{\Gamma_1} f dx_1 = \int_a^b f(x_1, \alpha(x_1)) dx_1$$

$$- \int_a^b f(x_1, \beta(x_1)) dx_1$$



$$\begin{aligned}
 \text{Red square} - \text{Blue square} &= \int_B \frac{\partial f}{\partial x_2} \\
 &= - \int_{\partial B} f \, dx_1
 \end{aligned}$$