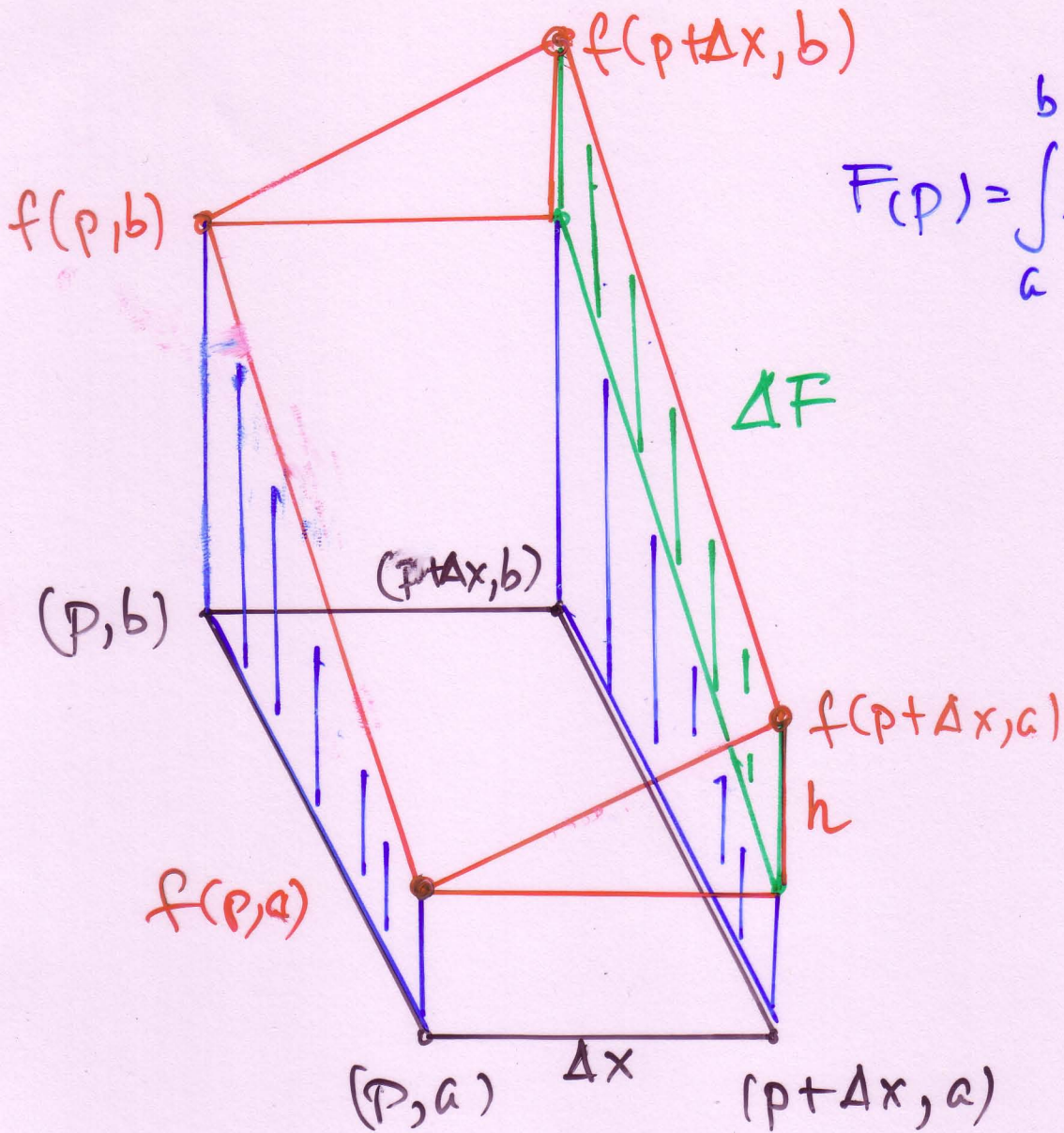


(2)



$$F(p) = \int_a^b f(p, t) dt$$

$$\Delta F \approx h(b-a)$$

$$\frac{h}{\Delta x} \approx \frac{\partial f}{\partial x}(p, a)$$

$$\frac{\partial}{\partial x} \int_a^b f(p, t) dt \approx \frac{\Delta F}{\Delta x} \approx \frac{\partial f}{\partial x}(p, a)(b-a) \approx \int_a^b \frac{\partial f}{\partial x}(p, t) dt$$