Multible Integration compute

Wednesday, 8 March 2023

Gool:

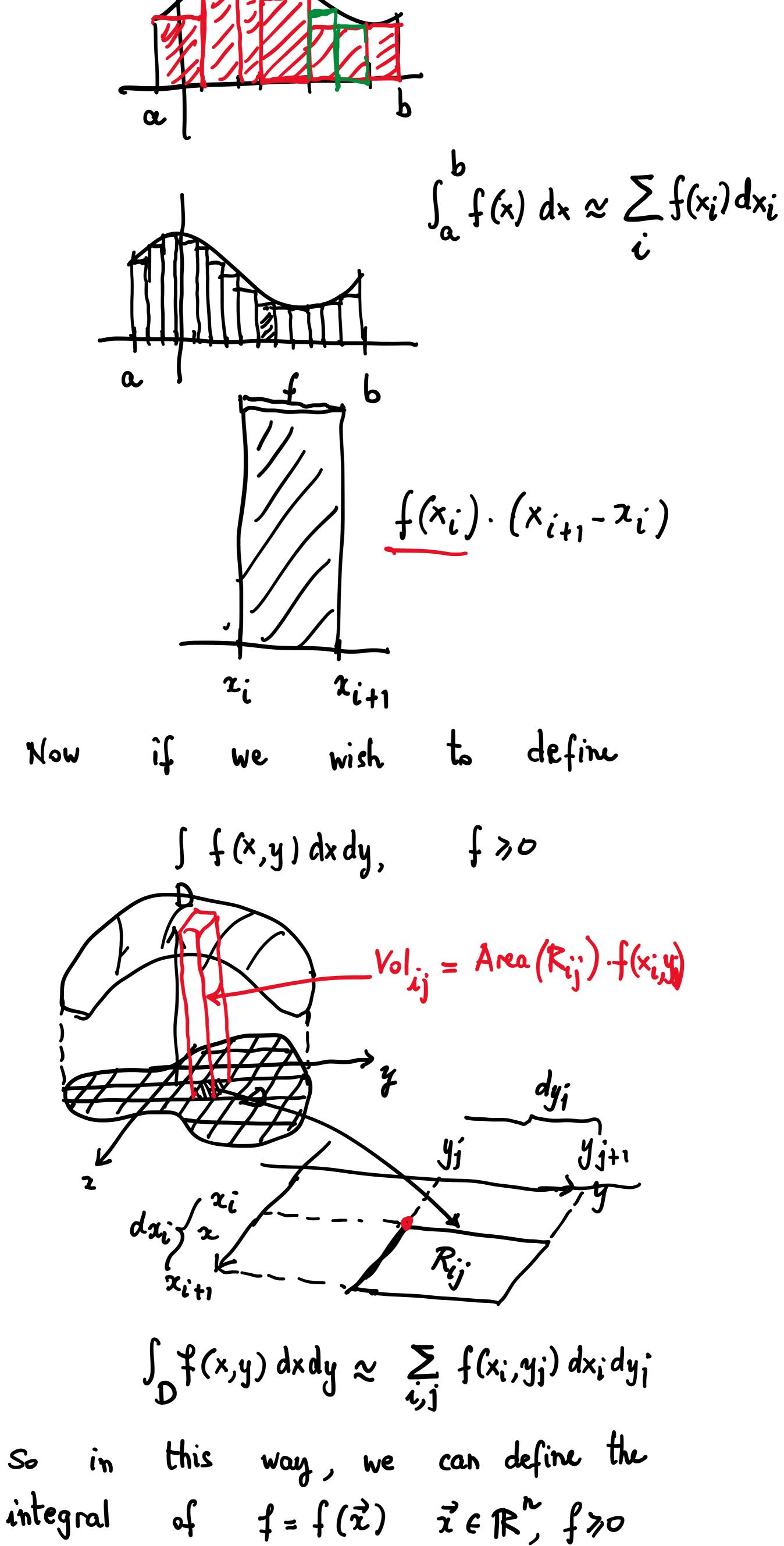
How

Now

12:06

 $\int_{(a,b)} f(x) dx, \quad f > 0$ Recall Integral for funct of 1 var figures. $f = f(x,y) > 0 : DCR^2$ > [0, + 20]

volumes of solid $\int f(x,y) dxdy$ Liqures. 4 din vol $\int_{D} f(x,y,z) dx dy dz$ the int is defd?



 $\int_{D} f(\vec{x}) d\vec{x}$

= measure $\{(\vec{x},z) \in \mathbb{R}^{n+1} : \vec{x} \in D, 0 \in z \in \{(\vec{z})\}$

Jf(x1,--- 2m) dx,--- dxn