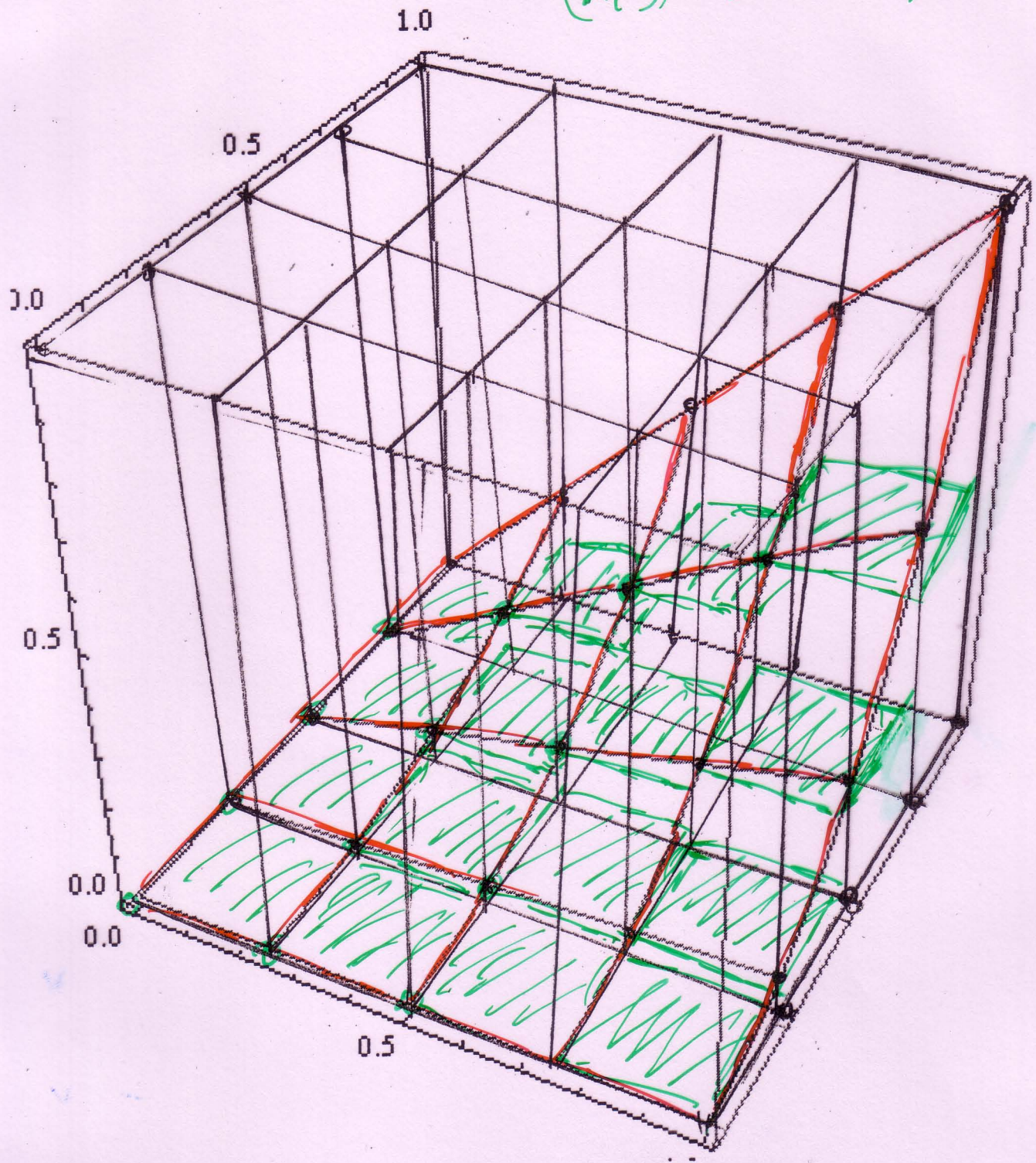


$$r = \frac{1}{4} \quad f_n(x,y) = \frac{1}{n} k \cdot \left(\frac{1}{n} l\right)^2$$

$$(x,y) \in \left[\frac{1}{n}(k,l), \frac{1}{n}(k+l, e+l) \right]$$



$$\int_I f_n d(x,y) = \sum_{\substack{k,l \\ = 0, \dots, n-1}} \frac{1}{n} k \left(\frac{1}{n} l\right)^2 \cdot \frac{1}{n^2}$$