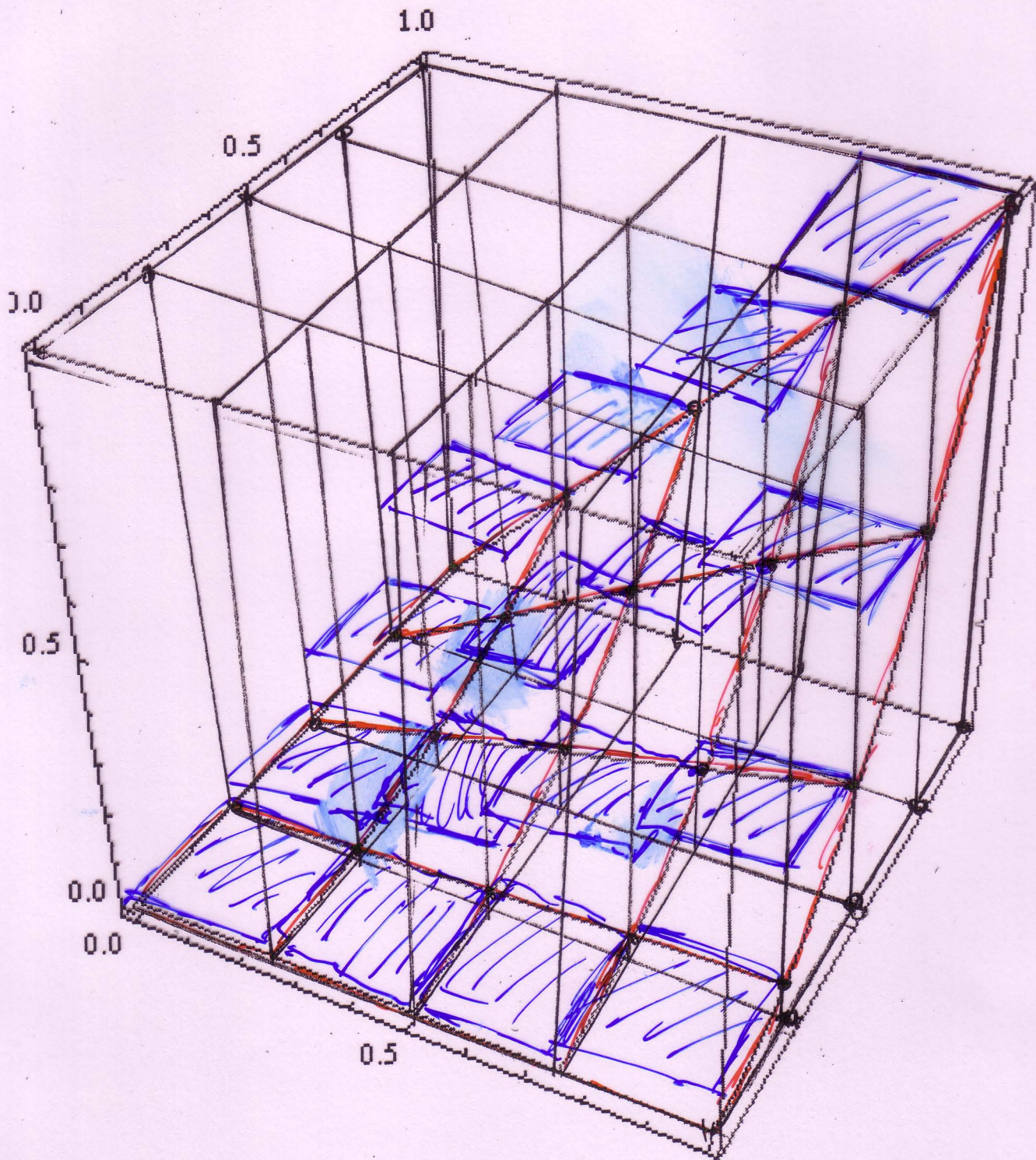


12



$$\int_I \bar{f}_n d(x,y) = \sum_{k,l} \frac{1}{n} k \cdot \left(\frac{1}{n} l\right)^2 \frac{1}{n^2}$$

$= 1, \dots, n$