

Formulas

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1.

$$f(x, y) = \begin{cases} \frac{1}{width * height} & \text{if } (x, y) \in \square \\ 0 & \text{otherwise} \end{cases}.$$

2.

$$g(x, y) = \iint \frac{x^2 + y^2}{width * height} dx dy$$