

$$d((x_1, y_1), (x_2, y_2))$$

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$$\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$$

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$$B(x, y, r) = \{(x', y') : x' = x, y' - y < r\}$$

$$(R^2, d)$$

$$f(x, y) \neq 0$$

$$f \in C_c(X)$$

$$0 < r < \infty$$

$$K \subset \bigcup_{i=1}^n B((x_i, y_i), r)$$

$$x_i$$

$$E$$

$$\mu(E) =$$

$$\int_{-\epsilon}^{\epsilon} \chi_{\{x_i\}} dx$$

$$E_n := \bigcup_{i=1}^n \overline{B((x_i, 0), \epsilon/2)}$$

$$x_i$$