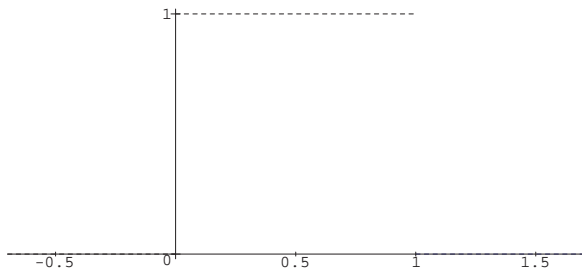
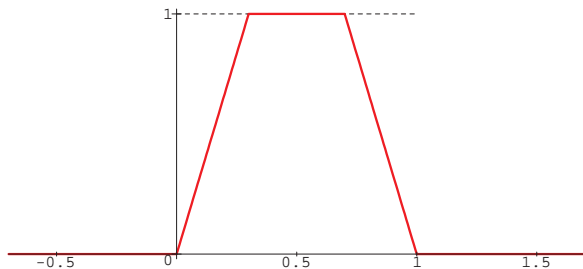


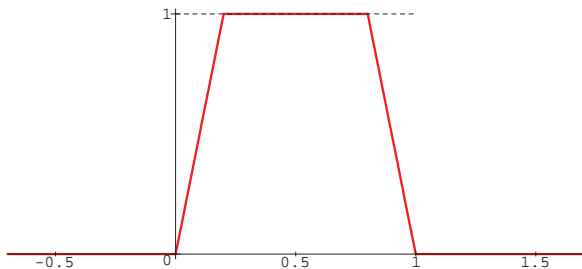
Měřitelnost intervalu $(0, 1)$



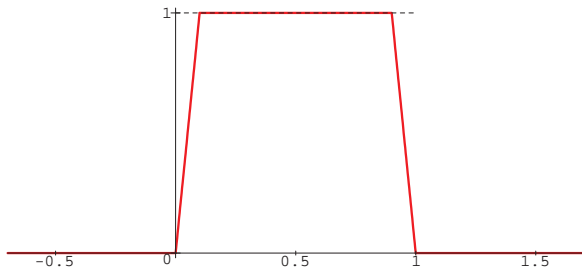
Měřitelnost intervalu $(0, 1)$



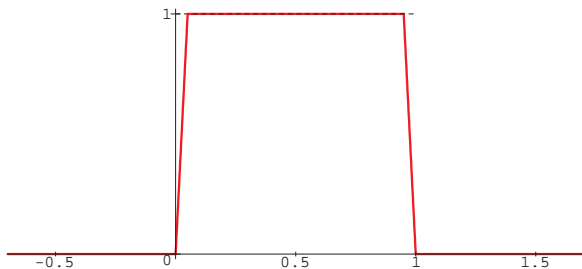
Měřitelnost intervalu $(0, 1)$



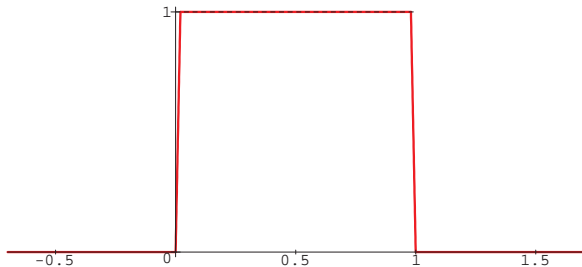
Měřitelnost intervalu $(0, 1)$



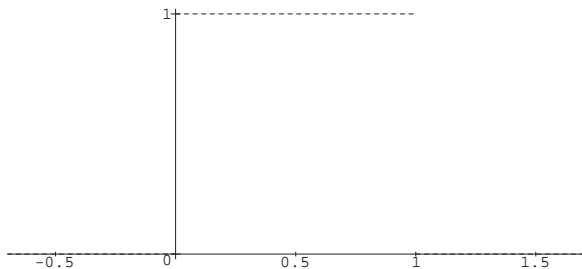
Měřitelnost intervalu $(0, 1)$



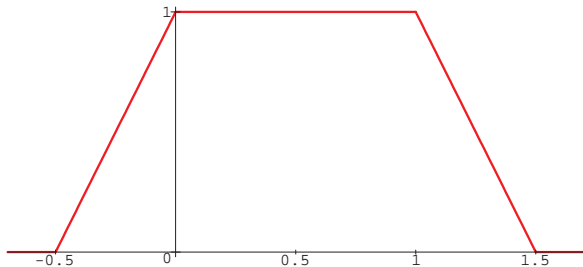
Měřitelnost intervalu $(0, 1)$



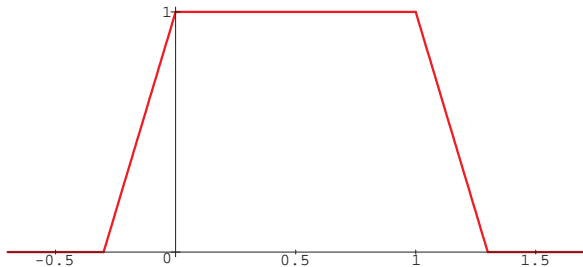
Měřitelnost intervalu $\langle 0, 1 \rangle$



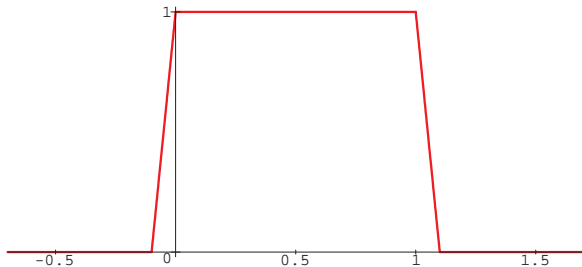
Měřitelnost intervalu $\langle 0, 1 \rangle$



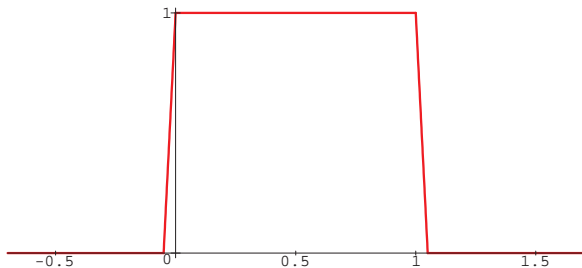
Měřitelnost intervalu $\langle 0, 1 \rangle$



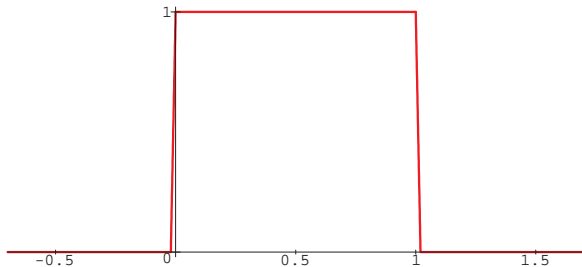
Měřitelnost intervalu $\langle 0, 1 \rangle$



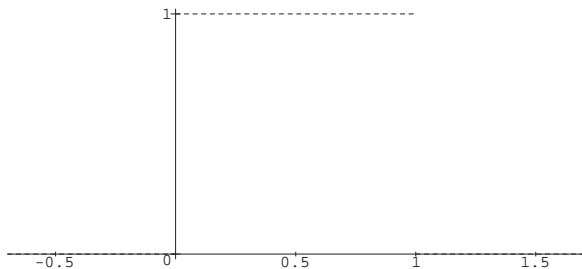
Měřitelnost intervalu $\langle 0, 1 \rangle$



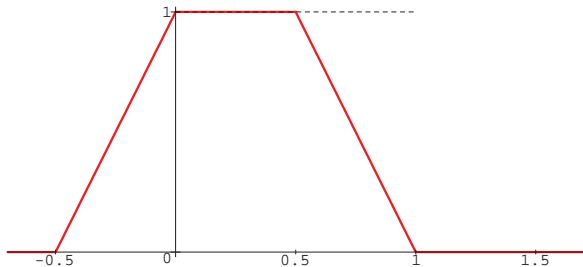
Měřitelnost intervalu $\langle 0, 1 \rangle$



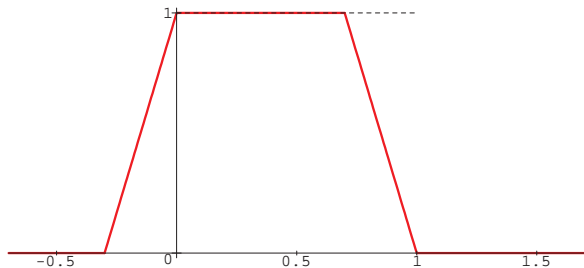
Měřitelnost intervalu $\langle 0, 1 \rangle$



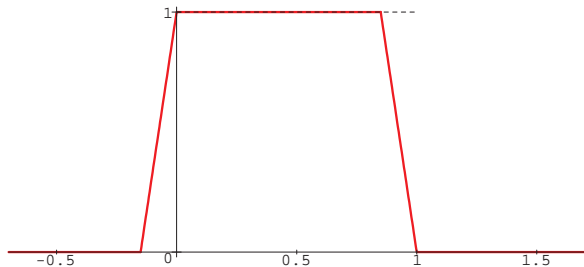
Měřitelnost intervalu $\langle 0, 1 \rangle$



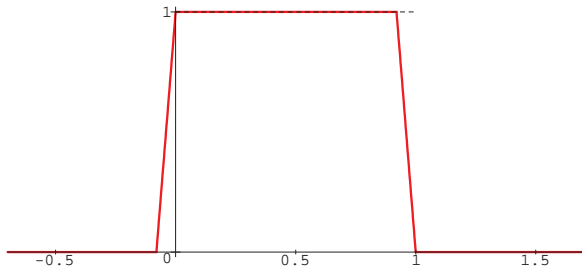
Měřitelnost intervalu $\langle 0, 1 \rangle$



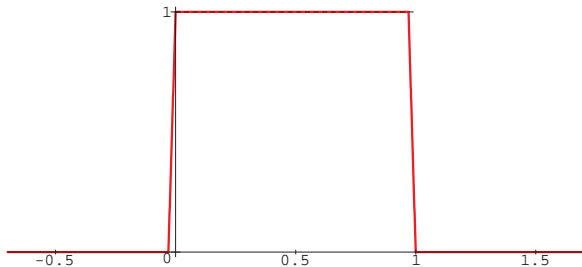
Měřitelnost intervalu $\langle 0, 1 \rangle$



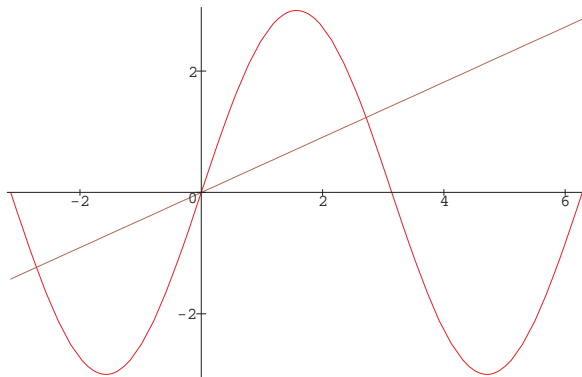
Měřitelnost intervalu $\langle 0, 1 \rangle$



Měřitelnost intervalu $\langle 0, 1 \rangle$

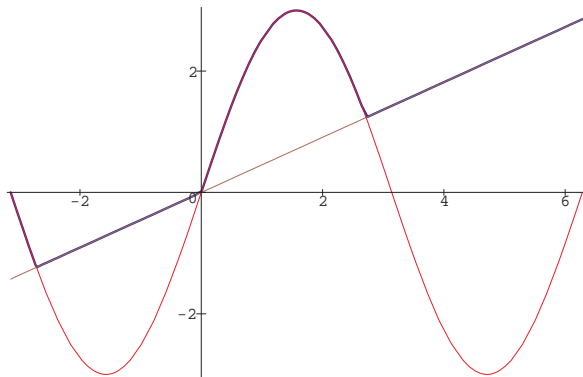


$\max\{f, g\}$ a $\min\{f, g\}$



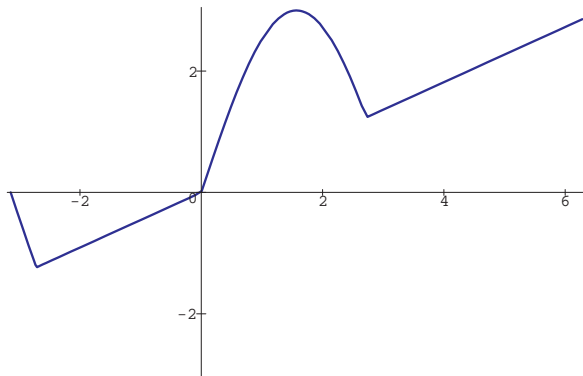
f g

$\max\{f, g\}$ a $\min\{f, g\}$



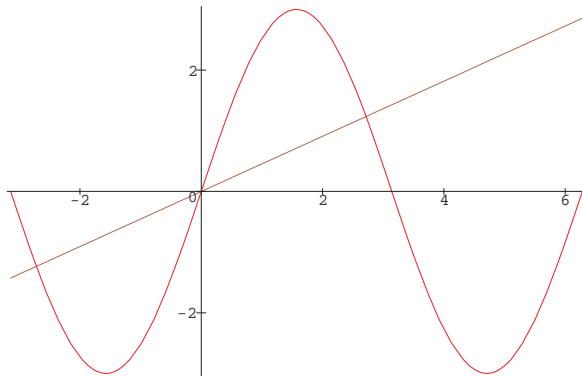
f g
 $\max\{f, g\}$

$\max\{f, g\}$ a $\min\{f, g\}$



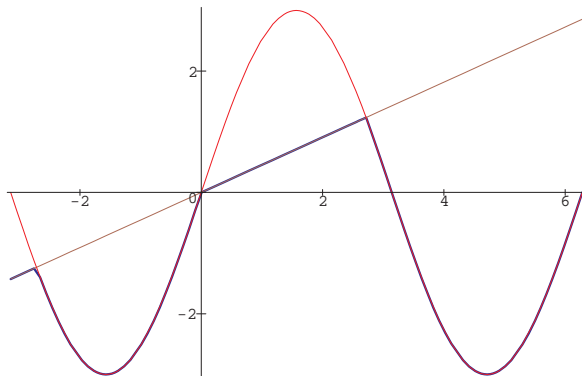
$\max\{f, g\}$

$\max\{f, g\}$ a $\min\{f, g\}$



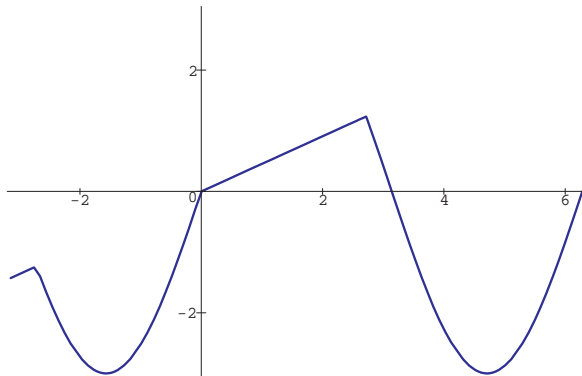
f g

$\max\{f, g\}$ a $\min\{f, g\}$



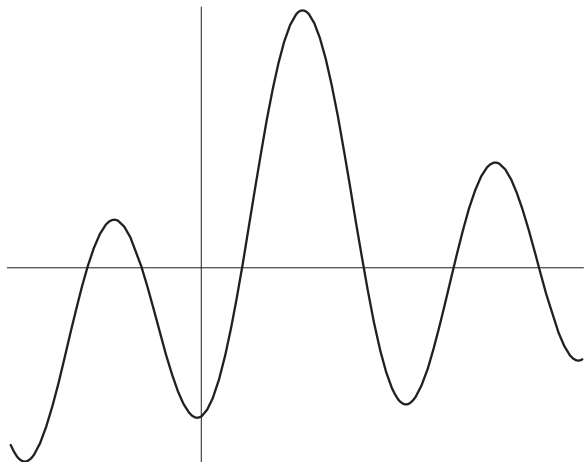
f g
 $\min\{f, g\}$

$\max\{f, g\}$ a $\min\{f, g\}$



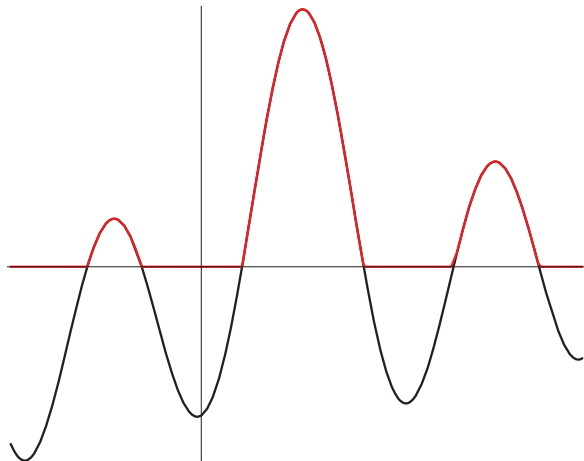
$\min\{f, g\}$

$f^+ \text{ a } f^-$



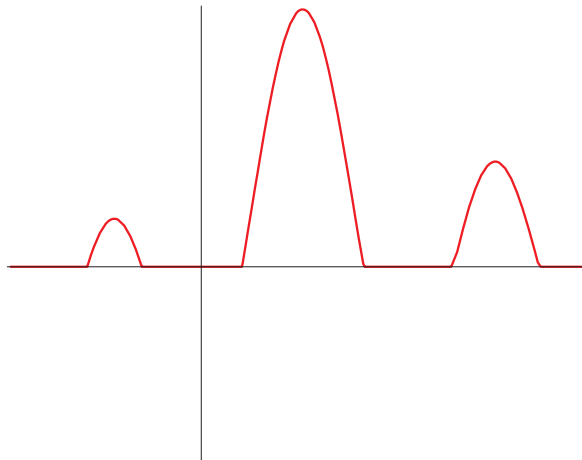
f

f^+ a f^-



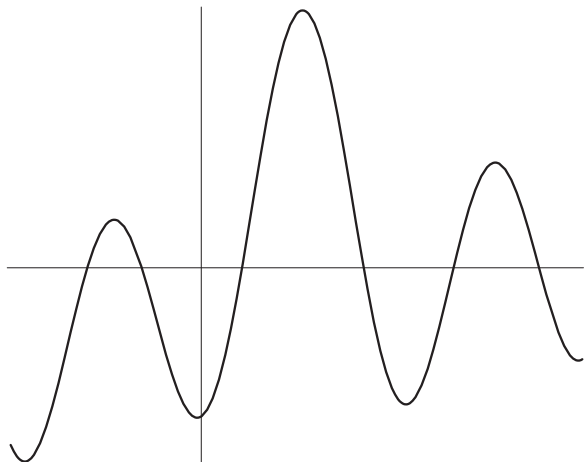
$$f^+ = \max\{f, 0\}$$

f^+ a f^-



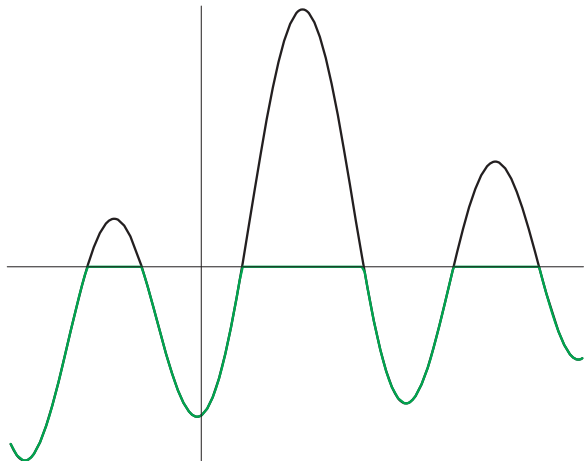
$$f^+ = \max\{f, 0\}$$

$f^+ \text{ a } f^-$



f

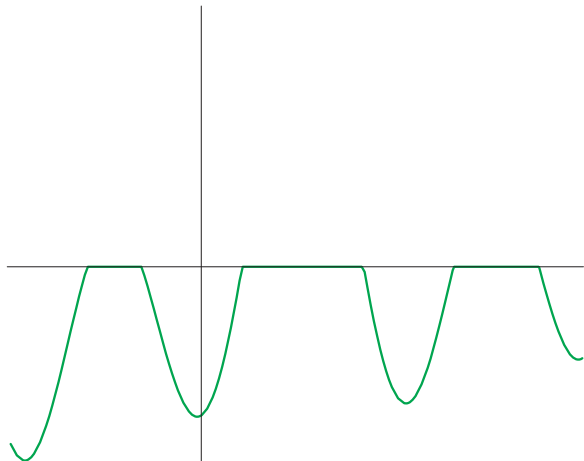
f^+ a f^-



f

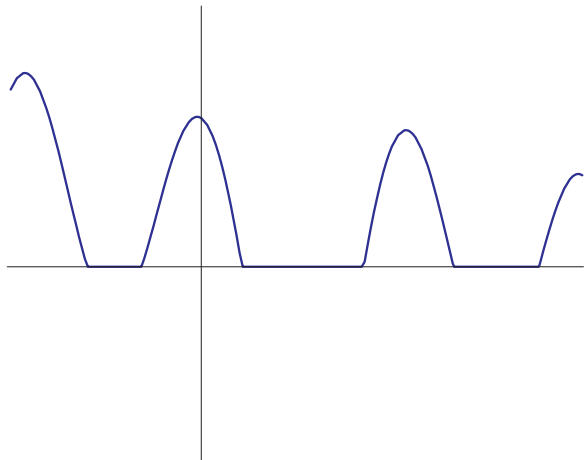
$$f^- = \max\{-f, 0\}$$

f^+ a f^-



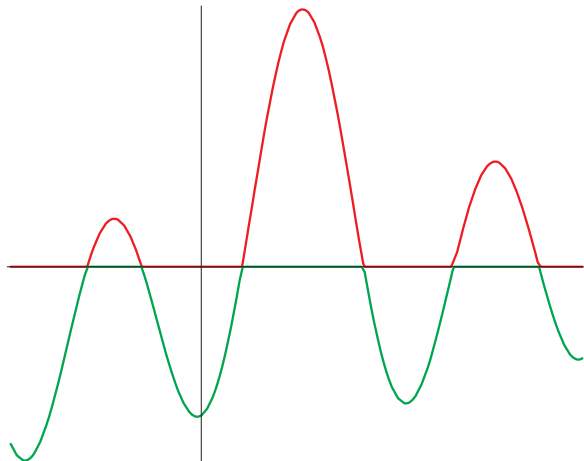
$$f^- = \max\{-f, 0\}$$

f^+ a f^-



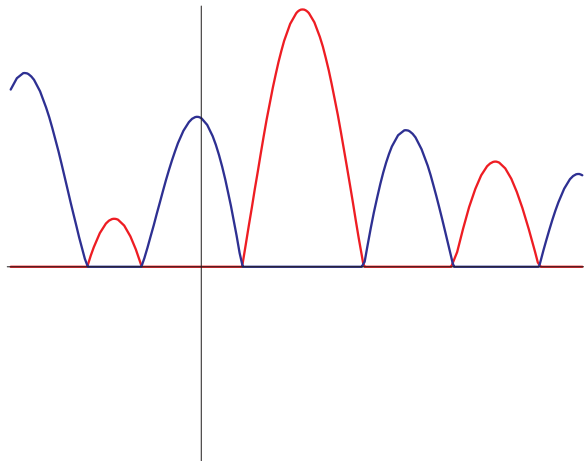
$$f^- = \max\{-f, 0\}$$

f^+ a f^-



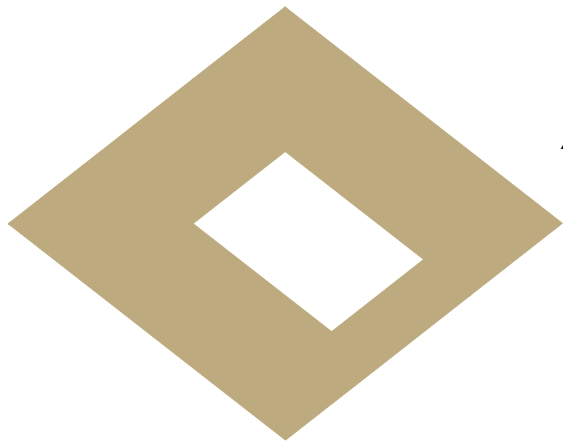
$$f = f^+ - f^-$$

f^+ a f^-



$$f = f^+ - f^-$$
$$|f| = f^+ + f^-$$

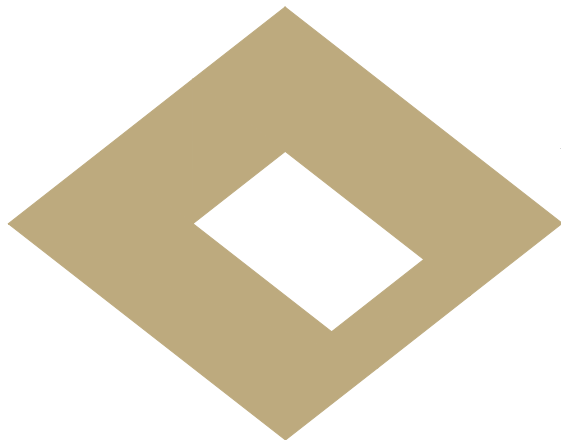
Otevřené množiny jsou měřitelné



$$A = (-1, 1) \times (-1, 2)$$

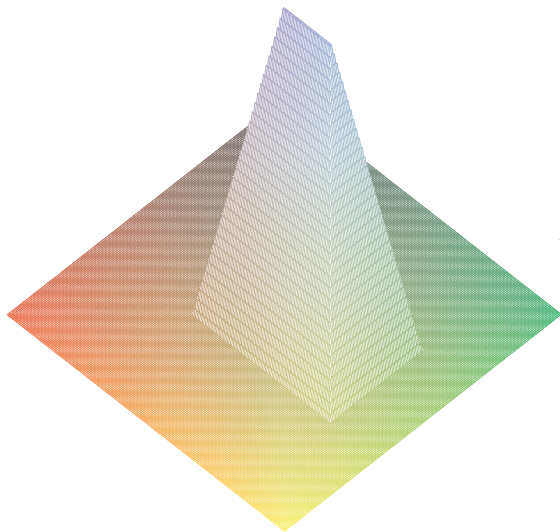
$\mathbb{R}^2 \setminus A$

Otevřené množiny jsou měřitelné



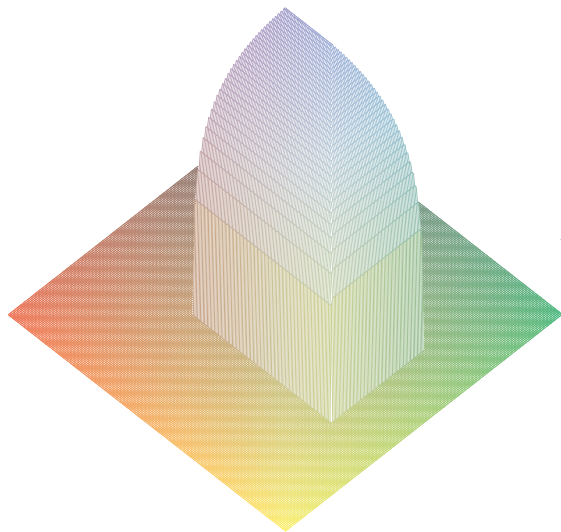
$$A = (-1, 1) \times (-1, 2)$$
$$f(x) = \text{dist}(x, \mathbb{R}^2 \setminus A)$$

Otevřené množiny jsou měřitelné



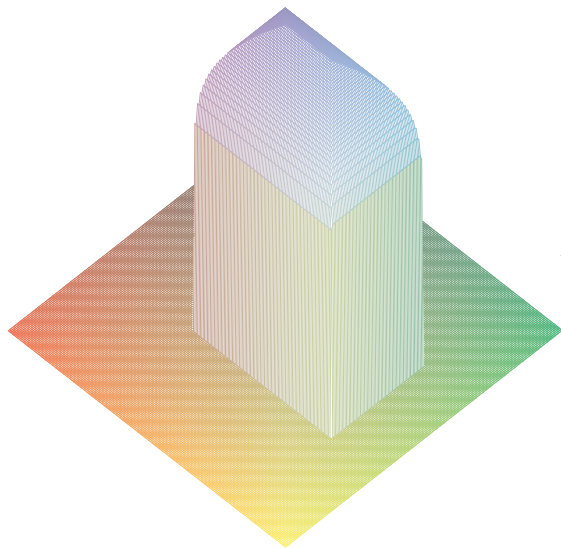
$$A = (-1, 1) \times (-1, 2)$$
$$f(x) = \text{dist}(x, \mathbb{R}^2 \setminus A)$$

Otevřené množiny jsou měřitelné



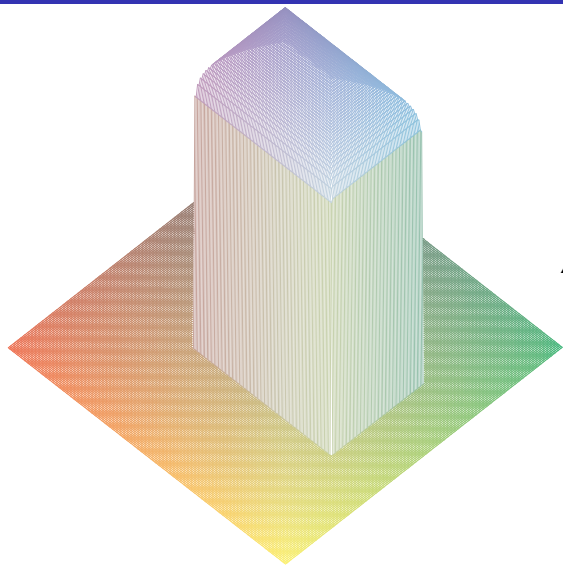
$$A = (-1, 1) \times (-1, 2)$$
$$f(x) = \text{dist}(x, \mathbb{R}^2 \setminus A)$$
$$f_4 = \sqrt[4]{f}$$

Otevřené množiny jsou měřitelné



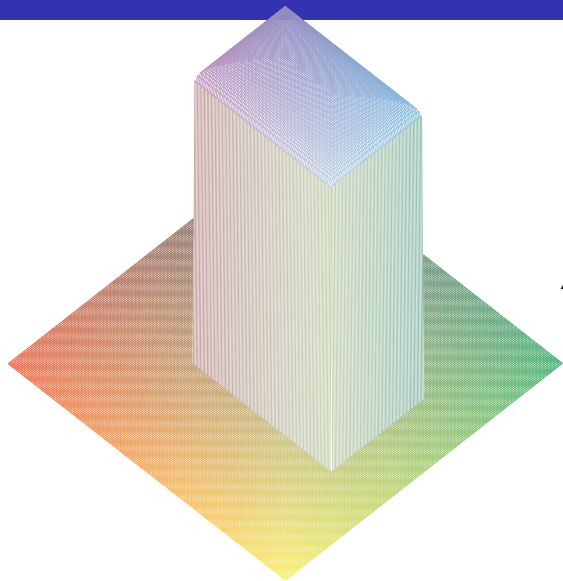
$$A = (-1, 1) \times (-1, 2)$$
$$f(x) = \text{dist}(x, \mathbb{R}^2 \setminus A)$$
$$f_{10} = \sqrt[10]{f}$$

Otevřené množiny jsou měřitelné



$$A = (-1, 1) \times (-1, 2)$$
$$f(x) = \text{dist}(x, \mathbb{R}^2 \setminus A)$$
$$f_{20} = \sqrt[20]{f}$$

Otevřené množiny jsou měřitelné



$$A = (-1, 1) \times (-1, 2)$$
$$f(x) = \text{dist}(x, \mathbb{R}^2 \setminus A)$$
$$f_{50} = \sqrt[50]{f}$$