

Função Trigonométrica Generalização

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Matemática

Funções Trigonométricas

$$y = \operatorname{tg}(x)$$

$$D = \left\{ x \in \mathbb{R} \mid x \neq \frac{\hat{A}}{2} + k\pi, k \in \mathbb{Z} \right\}$$

$$P = \pi$$

$$\operatorname{Im} = \hat{A}$$

$$y = \operatorname{sec}(x)$$

$$D = \left\{ x \in \mathbb{R} \mid x \neq \frac{\hat{A}}{2} + k\pi, k \in \mathbb{Z} \right\}$$

$$P = 2\pi$$

$$\operatorname{Im} = (-\infty, -1] \cup [1, \infty)$$

$$y = \operatorname{cotg}(x)$$

$$D = \left\{ x \in \mathbb{R} \mid x \neq k\pi, k \in \mathbb{Z} \right\}$$

$$P = \pi$$

$$\operatorname{Im} = \hat{A}$$

$$y = \operatorname{cossec}(x)$$

$$D = \left\{ x \in \mathbb{R} \mid x \neq k\pi, k \in \mathbb{Z} \right\}$$

$$P = 2\pi$$

$$\operatorname{Im} = (-\infty, -1] \cup [1, \infty)$$