Tabela de Primitivas

Seja f uma função diferenciável.

$$\int f'(x)e^{f(x)} dx = e^{f(x)} + C, \quad C \in \mathbb{R}$$

$$\int f'(x) \operatorname{sen}(f(x)) dx = -\cos(f(x)) + C , \quad |C \in \mathbb{R}$$

$$\int f'(x)\cos(f(x))\,dx = \operatorname{sen}(f(x)) + C\;,\quad C\in\mathbb{R}$$

$$\int f'(x) \sec^2(f(x)) dx = \operatorname{tg}(f(x)) + C , \quad C \in \mathbb{R}$$

$$\int f'(x) \csc^2(f(x)) dx = -\cot(f(x)) + C, \quad C \in \mathbb{R}$$

$$\int \frac{f'(x)}{\sqrt{1-(f(x))^2}} dx = \arcsin(f(x)) + C , \quad C \in \mathbb{R}$$

$$\int \frac{f'(x)}{1+(f(x))^2} dx = \operatorname{arctg}(f(x)) + C, \quad C \in \mathbb{R}$$

$$f'(x) \operatorname{cosec}(f(x)) \operatorname{cotg}(f(x)) dx = -\operatorname{cosec}(f(x)) + C, C \in \mathbb{R}$$