

$$\sin x, \underbrace{\sin x}_{\mathrm{mathrm}}, \underbrace{\sin x}_{\mathrm{mbox}}$$

$$\sin\left(\frac{\theta}{n}\right), \underbrace{\tan\left(\frac{\theta}{n}\right)}_{\mathrm{mathrm}}$$

$$\sin^2x+\cos^2x=1$$

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$$\sin^2\alpha=\frac{1-\cos(2\alpha)}{2}$$

$$\tan^2\alpha=\frac{1-\cos(2\alpha)}{1+\cos(2\alpha)}$$

$$\int \sec^m(x)\tan^n(x)\,dx, \int \sin^n(x)\,dx$$

$$\frac{1}{n}\cos^{n-1}(x)\sin(x)+\frac{n-1}{n}\int\cos^{n-2}(x)\,dx$$

$$\int \tan^{-1} dx = x \tan^{-1} x - \frac{1}{2} \ln \left(1 + x^2 \right) + c$$

$$\sin(\alpha) \; \sinh(\beta) \; \arcsin(\gamma) \; \operatorname{asin}(\theta) \; \sin(x) \; \sinh(y) \; \arcsin(n) \; \operatorname{asin}(m)$$

$$\cos(\alpha) \; \cosh(\beta) \; \arccos(\gamma) \; \operatorname{acos}(\theta) \; \cos(x) \; \cosh(y) \; \arccos(n) \; \operatorname{acos}(m)$$

$$\tan(\alpha) \; \tanh(\beta) \; \arctan(\gamma) \; \operatorname{atan}(\theta) \; \tan(x) \; \tanh(y) \; \arctan(n) \; \operatorname{atan}(m)$$

$$\csc(\alpha) \; \operatorname{csch}(\beta) \; \operatorname{arccsc}(\gamma) \; \operatorname{acsc}(\theta) \; \csc(x) \; \operatorname{csch}(y) \; \operatorname{arccsc}(n) \; \operatorname{acsc}(m)$$

$$\sec(\alpha) \; \operatorname{sech}(\beta) \; \operatorname{arcsec}(\gamma) \; \operatorname{asec}(\theta) \; \sec(x) \; \operatorname{sech}(y) \; \operatorname{arcsec}(n) \; \operatorname{asec}(m)$$

$$\cot(\alpha) \; \operatorname{coth}(\beta) \; \operatorname{arccot}(\gamma) \; \operatorname{acot}(\theta) \; \cot(x) \; \operatorname{coth}(y) \; \operatorname{arccot}(n) \; \operatorname{acot}(m)$$

$$\sin\left(\frac{x}{a}\right)\tan\left(\frac{n|\theta|}{k}\right)$$

$$\frac{1}{a}\arctan\left(\frac{u}{a}\right)$$

$$\lim_{\theta\rightarrow 0}\frac{\sin\left(\frac{n\theta}{2}\right)}{\theta}\lim_{\theta\rightarrow 0}\frac{\tan\left(\frac{n|\theta|}{m}\right)}{n\theta}$$