

$$\frac{\operatorname{tg}(\pi - \alpha) \operatorname{sen}\left(\frac{\pi}{2} + \alpha\right) + \operatorname{tg}\left(\frac{\pi}{2} - \alpha\right) \operatorname{sen}(\pi + \alpha)}{\cos(\pi + \alpha) + \operatorname{sen}(2\pi - \alpha)}$$

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[1]

$$\left[\cos\left(\frac{\pi}{2} - \alpha\right) + \operatorname{sen}\left(\frac{3}{2}\pi - \alpha\right)\right]^2 \operatorname{ctg}\left(\frac{3}{2}\pi - \alpha\right) + \operatorname{tg}(-\alpha) + \cos^2\left(\frac{3}{2}\pi + \alpha\right)$$

126

[-sen²α]

$$\frac{\operatorname{sen}^3\left(\frac{\pi}{2} - \alpha\right) + \cos^3\left(\frac{3}{2}\pi - \alpha\right)}{1 + \operatorname{sen}(\pi + \alpha) \operatorname{sen}\left(\frac{3}{2}\pi + \alpha\right)} - \cos(-\alpha) - \cos\left(\frac{\pi}{2} + \alpha\right)$$

127

[0]

$$\frac{\left[\operatorname{ctg}\left(\frac{\pi}{2} + \alpha\right) - 1\right]^2 + 2\left[\operatorname{ctg}\left(\frac{3}{2}\pi + \alpha\right) - \operatorname{tg}^2(\pi + \alpha)\right]}{1 - \operatorname{tg}(-\alpha)} +$$

128

$$\frac{\cos^3\left(\frac{3}{2}\pi + \alpha\right) \frac{1}{\cos\left(\frac{\pi}{2} - \alpha\right)} + \operatorname{sen}^2\left(\frac{\pi}{2} + \alpha\right)}{1 - \operatorname{sen} 2\pi}$$

[-tgα]

$$\frac{3 \cos(-\alpha) + 4 \cos(\pi + \alpha) + \operatorname{sen}\left(\frac{\pi}{2} + \alpha\right) - \cos(\pi + \alpha)}{\operatorname{sen}(\alpha - 2\pi) - \cos\left(\frac{\pi}{2} + \alpha\right) - \cos\left(\frac{3}{2}\pi + \alpha\right)}$$

129

[ctgα]

$$\frac{\operatorname{sen}\left(\frac{\pi}{2} + \alpha\right) + \operatorname{sen}\left(\frac{\pi}{2} - \alpha\right) \operatorname{sen} \alpha - \operatorname{sen}(\alpha - \pi) - \operatorname{tg}\left(\frac{\pi}{2} - \alpha\right) \operatorname{tg}(-\alpha)}{1 - \operatorname{sen}\left(\frac{3}{2}\pi - \alpha\right)} +$$

130

$$+ \cos\left(\frac{\pi}{2} + \alpha\right)$$

[1]

$$\frac{\operatorname{sen}\left(\alpha - \frac{\pi}{2}\right) \operatorname{tg}(\alpha - \pi) + \cos\left(\alpha - \frac{3}{2}\pi\right) \operatorname{ctg}(\alpha - 2\pi)}{\cos(\alpha - \pi) + \operatorname{sen}(\alpha - \pi)}$$

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[1]