

FORMULA 3.242.1

$$\int_{-\infty}^{\infty} \frac{x^{2m} dx}{x^{4n} + 2x^{2n} \cos t + 1} = \frac{\pi}{n} \sin \left[\frac{(2n - 2m - 1)t}{2n} \right] \operatorname{cosec} t \operatorname{cosec} \left(\frac{(2m + 1)\pi}{2n} \right)$$