

C4282

! For an efficient use of these tables, first read [HowTo.pdf](#).

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T2.22D. Integrands of the form $\frac{1}{\sqrt{x^4+1}}$, $\frac{1}{x^2\sqrt{x^4+1}}$, $\frac{x^2}{(x^4\pm 1)\sqrt{x^4+1}}$, $\frac{\sqrt{x^4+1}}{(x^2\pm 1)^2}$, and $\frac{(x^2\pm 1)^2}{(x^2+2ax+a^2)\sqrt{x^4+1}}$ on the interval $(0, 1)$.

1. $\int_0^1 \frac{dx}{\sqrt{1-x^4}} = \frac{1}{4\sqrt{2\pi}} \left\{ \Gamma\left(\frac{1}{4}\right) \right\}^2$.

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