! For an efficient use of these tables, first read `HowTo.pdf`.

T2.11A. Integrands of the form $\dfrac{x^n}{(1+x^4)\sqrt{1-x^4}}$, $n = 0, 2, 4$, on the interval $(0, 1)$.

1. $\displaystyle\int_0^1 \frac{1}{1+x^4}\frac{dx}{\sqrt{1-x^4}} = \frac{\pi}{8} + \frac{1}{4}\sqrt{2}\,\mathbf{K}\left(\frac{\sqrt{2}}{2}\right)$.

2. $\displaystyle\int_0^1 \frac{x^2}{1+x^4}\frac{dx}{\sqrt{1-x^4}} = \frac{\pi}{8}$.

3. $\displaystyle\int_0^1 \frac{x^4}{1+x^4}\frac{dx}{\sqrt{1-x^4}} = -\frac{\pi}{8} + \frac{1}{4}\sqrt{2}\,\mathbf{K}\left(\frac{\sqrt{2}}{2}\right)$.
