## PROOF OF FORMULA 3.475.2

$$
\int_{0}^{\infty}\left[e^{-x^{2^{n}}}-\frac{1}{1+x^{2}}\right] \frac{d x}{x}=-\frac{\gamma}{2^{n}}
$$

In the proof of entry 3.475.1 the formula

$$
\int_{0}^{\infty}\left[e^{-x^{a}}-\frac{1}{1+x^{b}}\right] \frac{d x}{x}=-\frac{\gamma}{a}
$$

was established. The current integral corresponds to $a=2^{n}$ and $b=2$.

