$$\text{Integrate} \left[ \text{Sin}[x^{\wedge}2] * e^{-x^2+1}, \{x, 0, \text{Infinity}\} \right]$$

$$\frac{e\sqrt{\pi}\mathrm{Sin}\!\left[\frac{\pi}{8}\right]}{2\ 2^{1/4}}$$

%//*N* 

0.775214