Bold math example

Let $\boldsymbol{u}$, $\boldsymbol{v}$ be vectors and $\boldsymbol{A}$ be a matrix such that $\boldsymbol{Au} = \boldsymbol{v}$. This is a bold integral:

$$\int_{-\infty}^{\infty} e^{-x^2} \, dx = \sqrt{\pi}$$