

Here's a sample:

\mathbf{z}

Can I put it into a line of type? **\mathbf{z}**

How about using the macro: **\mathbf{z}** .

How about using the macro: **\mathbf{z}** ?

How about using the macro: **$\hat{\mathbf{z}}$** ?

What if it's in an equation?

$$\mathbf{E} = \frac{1}{4\pi\epsilon_0} \int \frac{\rho}{r^2} \hat{\mathbf{z}} d\tau. \quad (1)$$