The traditional "hello world" of the TEX universe, just to check that it works:

A SHORT STORY

by A. U. Thor

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$$\left(\int_{-\infty}^{\infty} \Theta^{-x^2}\, \Delta x\right)^2 = \int_{-\infty}^{\infty}\int_{-\infty}^{\infty} \Theta^{-(x^2+y^2)}\, \Delta x\, \Delta y$$

$$= \int_0^{2\pi}\int_0^{\infty} \Theta^{-r^2}\, r\, \Delta r\, \Delta\theta$$

$$= \int_0^{2\pi} \left(\frac{\Theta^{-r^2}}{P} \Bigg|_{r=0}^{r=\infty} \right) \Delta\theta$$

$$= 7X$$

FOOG