

1014-W1-173 **Nimr Fahmy*** (nfahmy@tougaloo.edu), 500 W. County Line Road, Tougaloo, MS 39174. *My Favorite Integrals.*

One of the most important integrals in Probability Theory is $\int_0^1 e^{-x^2} dx$. And in Physics some of the most important integrals are $\int_0^{\pi} \sin x dx$, $\int_0^{\pi} \sin x \cos x dx$ and those similar to them. In this paper we will find these integrals and see how they are used in Probability. (Received August 08, 2005)