

# Lecture 4

Thursday, January 16, 2025 1:59 AM

Find the integral  $\int_0^{\frac{\pi}{2}} \sin^4 x \, dx$

Find the integral  $\int \sin^2 x \cos^4 x \, dx$

Mathematica commands:

**`Integrate[Sin[x]^4, {x, 0, Pi/2}]`**

**`Integrate[Sin[x]^2*Cos[x]^4, x]`**