

$$\int \sin^4 \cos^2 dx$$

Session 69

$$\int \sin^4 \cos^2 = \int \left( \frac{1 - \cos 2x}{2} \right)^2 \cos^2 = \frac{1}{8} \left[ \frac{x}{2} - \frac{\sin 2x}{4} - \frac{1}{6} \sin^3(2x) \right] + C$$