

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

Session 69

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