

Exercises Trigonometric Integrals

1. Compute $\int \cos^2 2x dx$
2. Compute $\int \cos^4 2x dx$
3. Compute $\int \sin^2 2x dx$
4. Compute $\int \tan^3 x dx$
5. Compute $\int \sec x dx$
6. Compute $\int \sin^3 x \cos^2 x dx$
7. Compute $\int \sin^3 s \cot^2 s ds$
8. Compute $\int \tan^2 x \csc^2 x dx$
9. Compute $\int \tan t \sec^4 t dt$
10. Compute $\int \cos^3 x dx$
11. Compute $\int \tan^6 A \sec^2 A dA$
12. Compute $\int \cot^3 x dx$
13. Compute $\int (\cos 3\theta + \cos \theta) d\theta$

