

2. Tehnike integriranja - 1. dio

$$1. \int \frac{dx}{2x^2 + 6x + 5}$$

$$2. \int \frac{3x + 2}{2x^2 - 3x + 4} dx$$

$$3. \int \frac{dx}{(x^2 + 2x + 10)^2}$$

$$4. \int \frac{x^4 dx}{x^4 + 5x^2 + 4}$$

$$5. \int \frac{x dx}{x^3 - 3x + 2}$$

$$6. \int \frac{4x - 3}{5 - 7x} dx$$

$$7. \int \frac{x^3 + x + 2}{x^2 + 7x + 12} dx$$

$$8. \int \frac{dx}{2x^2 - 5x + 7}$$

$$9. \int \frac{x - 1}{x^2 - x + 1} dx$$

$$10. \int \frac{2x^2 - 3x + 3}{x^3 - 2x^2 + x} dx$$

$$11. \int \frac{x^3 + 4x^2 - 2x + 1}{x^4 + x} dx$$

$$12. \int \frac{dx}{(1 + x^2)^2}$$

$$13. \int \cos^5 x \, dx$$

$$14. \int \sin^4 x \, dx$$

15. $\int \frac{dx}{\sin^4 x \cos^4 x}$
16. $\int \cos x \cos 2x \cos 5x \, dx$
17. $\int \frac{\cos^3 x + \cos^5 x}{\sin^2 x + \sin^4 x} \, dx$
18. $\int \frac{dx}{\sin x (2 \cos^2 x - 1)}$
19. $\int \frac{dx}{2 \sin x - \cos x + 5}$
20. $\int \sin^{10} x \cos^3 x \, dx$
21. $\int \frac{dx}{\sin^2 x \cos^4 x}$
22. $\int \sin 3x \cos 5x \, dx$
23. $\int \frac{dx}{\sin^4 x \cos^4 x}$
24. $\int \frac{dx}{\sin^4 x + \cos^4 x}$
25. $\int \frac{\sin 4x}{\sin^8 x + \cos^8 x} \, dx$
26. $\int \frac{dx}{\sin x (2 + \cos x - 2 \sin x)}$
27. $\int \frac{\sin x + \sin^3 x}{\cos 2x} \, dx$
28. $\int \frac{\cos^3 x}{\sin^2 x + \sin x} \, dx$
29. $\int \frac{\sin^2 x \cos x}{\sin x + \cos x} \, dx$
30. $\int \sin^4 3x \cos^2 3x \, dx$