

I. C は積分定数を表す.

$$(1) \frac{1}{4}x^4 + \frac{3}{4}x\sqrt[3]{x} + C$$

$$(2) -\frac{2}{x^2} + 2\log|x| + C$$

$$(3) 2\sin x - 3\cos x + 4\tan x + C$$

$$(4) 3\arctan x + 4\arcsin x + C$$

$$(5) \frac{1}{a}e^{ax} + C$$

$$(6) \frac{1}{a}\sin ax + C$$

$$(7) -\frac{1}{a}\cos ax + C$$

$$(8) \frac{1}{4a}(ax+b)^4 + C$$

$$(9) \frac{1}{3}(\log x)^3 + C$$

$$(10) -\frac{1}{2}e^{-x^2} + C$$

$$(11) -\frac{1}{4}\cos^4 x + C$$

$$(12) -\sqrt{1-x^2} + C$$

$$(13) \log|e^x + x| + C$$

$$(14) \frac{1}{4}\log(x^4 + 1) + C$$

$$(15) -\frac{1}{a}\log|\cos ax| + C$$

$$(16) xe^x + C$$

$$(17) \frac{x}{a}\sin ax + \frac{1}{a^2}\cos ax + C$$

$$(18) -\frac{x}{a}\cos ax + \frac{1}{a^2}\sin ax + C$$

$$(19) \frac{1}{2}x^2\log x - \frac{1}{4}x^2 + C$$

$$(20) x\arctan x - \frac{1}{2}\log(1+x^2) + C$$

$$(21) x\arcsin x + \sqrt{1-x^2} + C$$