凑微分常用类型：

$$\int x^{n-1} f\left(ax^n + b\right)dx = \int \frac{1}{na} f\left(ax^n + b\right)d\left(ax^n + b\right)(n > 1, a > 0)$$

$$\int \frac{1}{x} f\left(\ln x\right)dx = \int f\left(\ln x\right)d\left(\ln x\right)$$

$$\int e^x f\left(e^x\right)dx = \int f\left(e^x\right)de^x$$

$$\int \frac{1}{\sqrt{x}} f\left(\sqrt{x}\right)dx = 2\int f\left(\sqrt{x}\right)d\sqrt{x}$$

$$\int \sin x f\left(\cos x\right)dx = -\int f\left(\cos x\right)d\left(\cos x\right)$$

$$\int \cos x f\left(\sin x\right)dx = \int f\left(\sin x\right)d\left(\sin x\right)$$

$$\int \frac{1}{\sqrt{1-x^2}} f\left(\arcsin x\right)dx = \int f\left(\arcsin x\right)d\arcsin x$$

$$\int \frac{1}{1+x^2} f\left(\arctan x\right)dx = \int f\left(\arctan x\right)d\arctan x$$