

Primitives niveau terminale - 3^{ième} feuille

$$A = \int \frac{dx}{\sqrt{16 - 9x^2}}$$

$$B = \int \frac{dt}{4 - 9t^2}$$

$$C = \int \frac{e^x dx}{1 - e^{2x}}$$

$$D = \int \frac{\cos t dt}{4 - \sin^2 t}$$

$$E = \int \frac{5x dx}{\sqrt{1 - x^4}}$$

$$F = \int \frac{ax dx}{x^4 + b^4}$$

$$G = \int \frac{dt}{(t - 2)^2 + 9}$$


$$H = \int \frac{dx}{x^2 + 2x + 5}$$

$$I = \int \frac{dx}{x^2 + 4x + 3}$$

$$J = \int \frac{dx}{\sqrt{3x - x^2 - 2}}$$

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

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

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$$A = \frac{1}{3} \arcsin \frac{3x}{4} + C, C \in \mathbb{R}$$

$$B = \frac{1}{12} \ln \left| \frac{2+3t}{2-3t} \right| + C, C \in \mathbb{R}$$

$$C = \arctan e^x + C, C \in \mathbb{R}$$

$$D = \frac{1}{4} \ln \left| \frac{2+\sin t}{2-\sin t} \right| + C, C \in \mathbb{R}$$

$$E = \frac{5}{2} \arcsin x^2 + C, C \in \mathbb{R}$$

$$F = \frac{a}{2b^2} \arctan \frac{x^2}{b^2} + C, C \in \mathbb{R}$$

$$G = \frac{1}{3} \arctan \frac{t-2}{3} + C, C \in \mathbb{R}$$

$$H = \frac{1}{2} \arctan \frac{x+1}{2} + C, C \in \mathbb{R}$$

$$I = \frac{1}{2} \ln \left| \frac{x+1}{x+3} \right| + C, C \in \mathbb{R}$$

$$J = \arcsin(2x-3) + C, C \in \mathbb{R}$$

$$K = \frac{1}{4} \arctan \frac{2x+1}{2} + C, C \in \mathbb{R}$$

$$L = \frac{1}{\sqrt{11}} \arctan \frac{3x-1}{\sqrt{11}} + C, C \in \mathbb{R}$$

 [Retour](#)