

Exercises – Technique of Integration by Parts

Integrate:

- $\int_0^1 x^2 + 1 e^{-x} dx$

- $\int 20xe^{5x} dx$

- $\int_0^{100} \sqrt{t} \ln t dt$

- $\int x \sin x \cos x dx$

- $\int x \cos 7x dx$

- $\int x \ln(1+x) dx$

- $\int te^{\sqrt{t}} dt$

- $\int e^{7x} \cos 8x dx$