

$$\int \frac{x-11}{(x^2+9)(x+2)} dx$$

Compute the integral:

$$\int \frac{x-11}{(x^2+9)(x+2)} dx.$$

Integral of $\frac{x^3}{x^2 - 1}$

Express the integrand as a sum of a polynomial and a proper rational function, then integrate:

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

MIT OpenCourseWare
<http://ocw.mit.edu>

18.01SC Single Variable Calculus
Fall 2010

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.