

6.6: Convolution Integrals

Examples:

Use the Convolution Theorem to find the inverse Laplace Transform of $F(s) = \frac{1}{s(s^2 + 4)}$.

Solve the IVP $y'' + 3y' + 2y = g(t)$, $y(0) = 1$, $y'(0) = 0$. (Where $g(t)$ is a generic external force)