

Exercise 1

In Exercises 1 through 5, use the method described in Sec. 88 and illustrated in Example 1, Sec. 89, to find the function $f(t)$ corresponding to the given function $F(s)$.

$$F(s) = \frac{2s^3}{s^4 - 4}.$$

$$\text{Ans. } f(t) = \cosh \sqrt{2}t + \cos \sqrt{2}t.$$