Classwork 13: Fall 2024 CPE381

Instructor: Rahul Bhadani, The University of Alabama in Huntsville October 9, 2024

Total: 10 points

Some points to remember:

1 Fourier Series.

 $x(t) = \cos 4t + \sin 6t$

- 1. Write down the fundamental period of x(t). (2 points)
- 2. Compute its exponential Fourier series by first determining its Fourier coefficients. (8 points)