

## **Math 146C Homework Assignment (04/04 – 04/08)**

Assignment will be collected on 04/15 next Friday during the class.

### **Key notions introduced this week:**

- (1) Partial sum of Fourier series;
- (2) Convergency of Fourier series;
- (3) Even and Odd functions;
- (4) Heat conduct equations, homogeneous boundary problem;
- (5) Other boundary problems.

### **Homework problems:**

§10.4. 1, 4, 11, 17.

§10.5. 1, 9, 22.

§10.6. 1, 5.