## PLC Toaster Project Results

## 1. Deliverables

- 1. Plot of toaster temperature
  - a. Compare experimental temperature vs. desired temperature
  - b. One plot with two traces
- 2. Answer the following questions:
  - a. What does PLC stand for?
  - b. What is the difference between bang-bang control and PID control?
  - c. What is a common system that uses bang-bang control?
  - d. What is a common system that used PID control?
  - e. Why are limit switches used to trigger the next state instead of just using timers?
  - f. Why does there need to be a stop button?
- You do not need to write an executive summary
- Email Gabe Wilfong a PDF of your deliverables (gwilfong@purdue.edu)
- Only one email/PDF per team
- Due date is one week after lab: 12/10 or 12/12 (depending on your lab section)