

Evaluation rubric for the "automatic temperature regulator" experiment

Feedback for group number:  
Evaluated by (student id):

Evaluate the journal and solution and note down comments for each of the aspects below  
Give each of the overall aspects a score (0-2) based on your evaluation

		Yes, very good	Yes, adequate	No, not sufficient
Aspect	Consider the following	2	1	0
Experiment results	1. Is the temperature held at a desired setpoint? 2. Is there a screenshot, where you can see a console with the desired setpoint and measured temperature, output from the UART on the PSoC? 3. Is the temperature regulator (i.e. the combination of the temperature measurement, the PID controller and the use of the power resistor) correct and understandable? 4. Are there plots to compare the performance of the PID controller, given different co-efficients for P and I? 5. Are the 'good' P and I co-efficients found in a systematic manner? 6. Does the journal explain, how the P and I parts of the controller work, using plots of data from the experiments?			
Journal quality	1. Does the journal have a good structure? 2. Is the journal easy to read and understand (i.e. there is a good flow)? 3. Are the experiment objective(s) described? 4. Are the experiment results described and concluded upon? 5. Are the complicated parts of the experiment documented?			
Source code quality	1. Are you able to understand the code? 2. Does the complex parts of the code have good comments? 3. Is the coding style coherent? 4. Are there separate header and implementation files? 5. Is there a proper separation of responsibility between the different files? 6. Does the header files have comments (and are they correct)?			
Experiment documentation	1. Are there photos of the experiment setups? 2. Are there diagrams of the experiment setup? 3. Are the connections listed? 4. Are the connections documented (both purpose and type)? 5. Are the components (e.g. motors, scale, sensors) identifiable?			
Experiment execution	1. Is the experiment execution described? 2. Are the experiments conducted in a structured manner? 3. Are the expected results described? 4. Are the actual results described and explained?			