

ENEL 869 – Test Plan

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Test method

The readings from the IR sensor can be visualized to evaluate and observe how the system responds to a request in the change of the height.

1. A height will be given to which the ball should be floating to.
2. The readings from the IR sensor are noted.
3. Plot the readings on a graph to visualize.
4. Observing the fluctuations in the graph, we can see the quality of the PID controller and determine if it needs optimization. A smoother curve with less fluctuations would mean a better PID controller.