



new_code.vi

D:\Semester 7\Automatic Control 2\Project\Project_New\new_code.vi

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The screenshot displays a software interface for a robotic or experimental setup. The top left contains configuration parameters:

- Serial Port: COM8
- stop button
- alpha: 0.98
- setpoint: 0.15
- Baud Rate Override: 115200
- k theta: 8.14
- k theta dot: -0.25
- atan2(y,x): 0.09623

The middle section shows Acceleration Data (g) and PWM values:

- Acceleration Data (g):
 - X Axis: 0.09983
 - Y Axis: 0.09623
 - Z Axis: 0.09623
- Loop Rate (Hz): 43
- PWM:
 - X Axis: 368
 - Y Axis: 1404
 - Z Axis: 14540

The right side features two plots:

- Angle Reading**: A line graph showing Angle vs Time. The y-axis ranges from 0.095 to 0.19, and the x-axis ranges from 8695 to 9718. The plot shows a signal with several sharp peaks and troughs.
- PWM**: A line graph showing PWM vs Time. The y-axis ranges from 0.025 to 0.425, and the x-axis ranges from 18414 to 19437. The plot shows a signal that increases over time with periodic spikes.

Plot 0 buttons are located in the top right corner of both plots.



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