Updated for R2018b.

This is description of the files that go together with MathWorks webinar “PID Control Made Easy”

1. Pid\_intro.m – this script shows how to work with pid objects in MATLAB and how to tune PID controllers from command line.
2. Gain\_scheduling.m – this script shows how to develop a series of PID controllers to use in gain scheduling. This script uses the open-loop engine model engine\_ol.mdl
3. Engine\_ol.slx is an open-loop engine model
4. Engine\_cl.slx is a model that is setup so you can add a PID Controller to it and start tuning.
5. Engine\_cl\_tuned.slx - the closed loop model with tuned PID controller.
6. Plot\_format.m – plotting script invoked by gain\_scheduling.m

A few notes:

* Implementation of PID Controller blocks has been changed in recent releases. You can still look under block mask but the implementation is now different than shown in the webinar recording.
* Fixed-Point Tool shown in the webinar has been redesigned. Please do not follow the webinar recording for that section. Instead refer to latest documentation on how to use Fixed-Point Tool: <https://www.mathworks.com/help/fixedpoint/conversion-using-simulation-data.html>

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