
Kalman Filter Theory and Applications Equation Drilldown

https://github.com/musicarroll/kalman_course

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June 17, 2023

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Part I

The Five Basic Kalman Equations Topics

Part I

The Five Basic Kalman Equations

Topics

- Understanding the Equations: Heuristic Introduction

Part I

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- Understanding the Equations: Heuristic Introduction
- **Equation Drilldown: Taking the Equations Apart**

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- State Space Concepts

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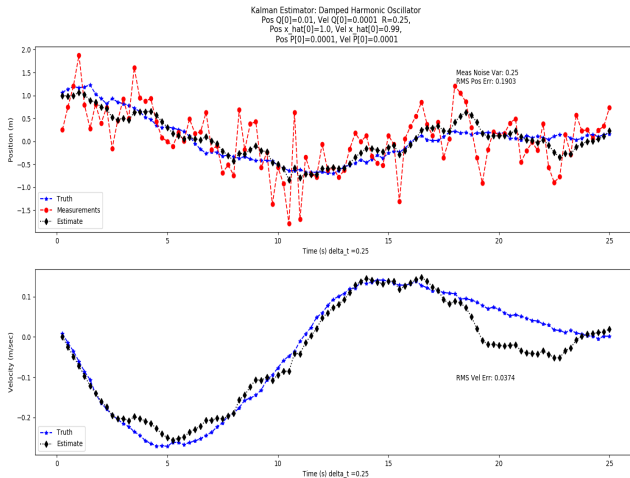
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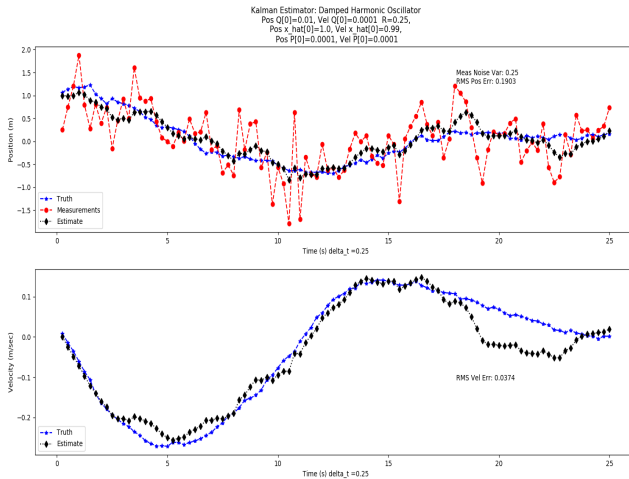
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Kalman Sawtooth Plots

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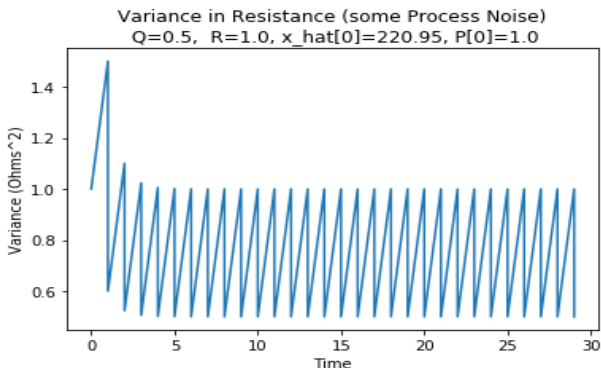
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Kalman Sawtooth Plots

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- Show growth over time in uncertainty (upticks) and then immediate reduction (no time lapse!) in uncertainty (downticks) after measurement updates

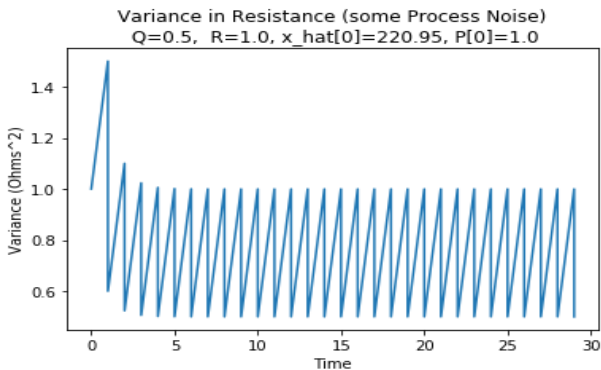
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