Modeling and Simulation

Contents

Example#01 – Quantiles simulation

Description:

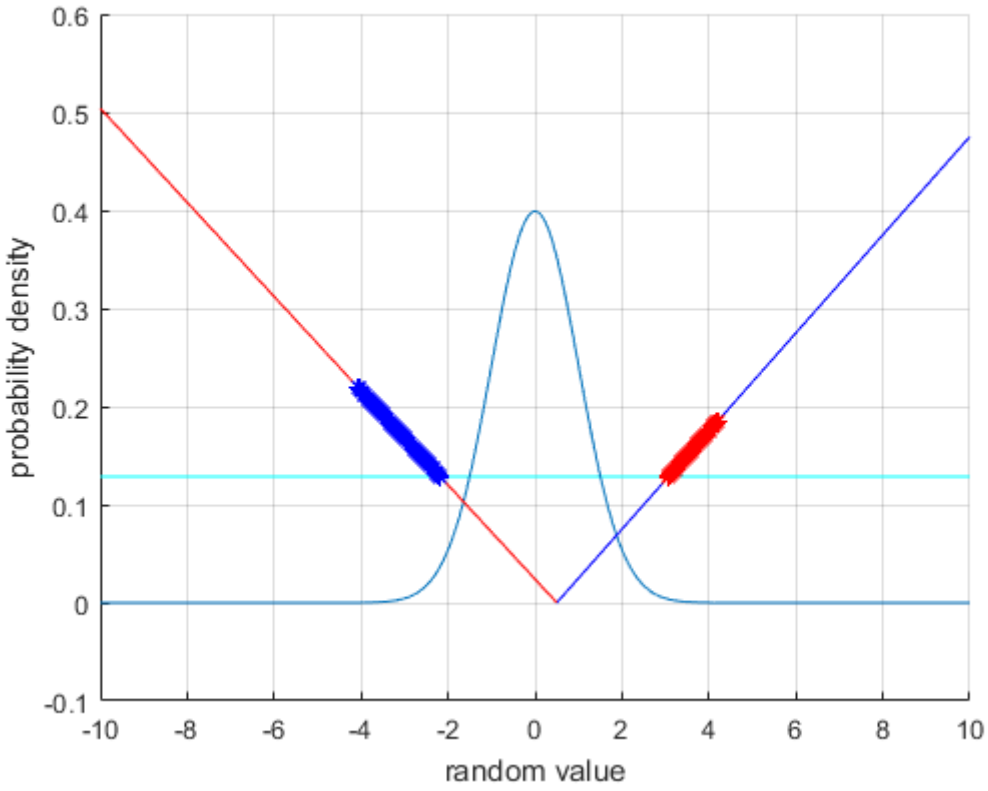

Figure 2.1.1

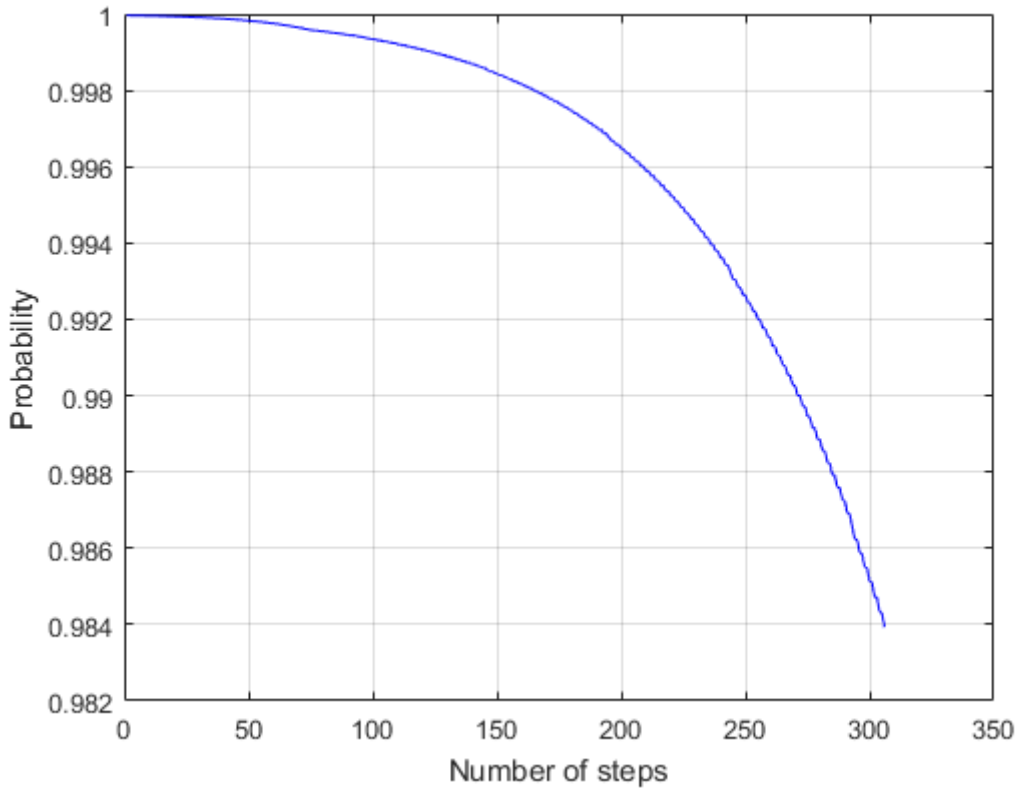

Figure 2.1.2

Example#02 – Modeling and Simulation of an UAV motion at low flight altitude taking into account turbulence and terrain

Description:

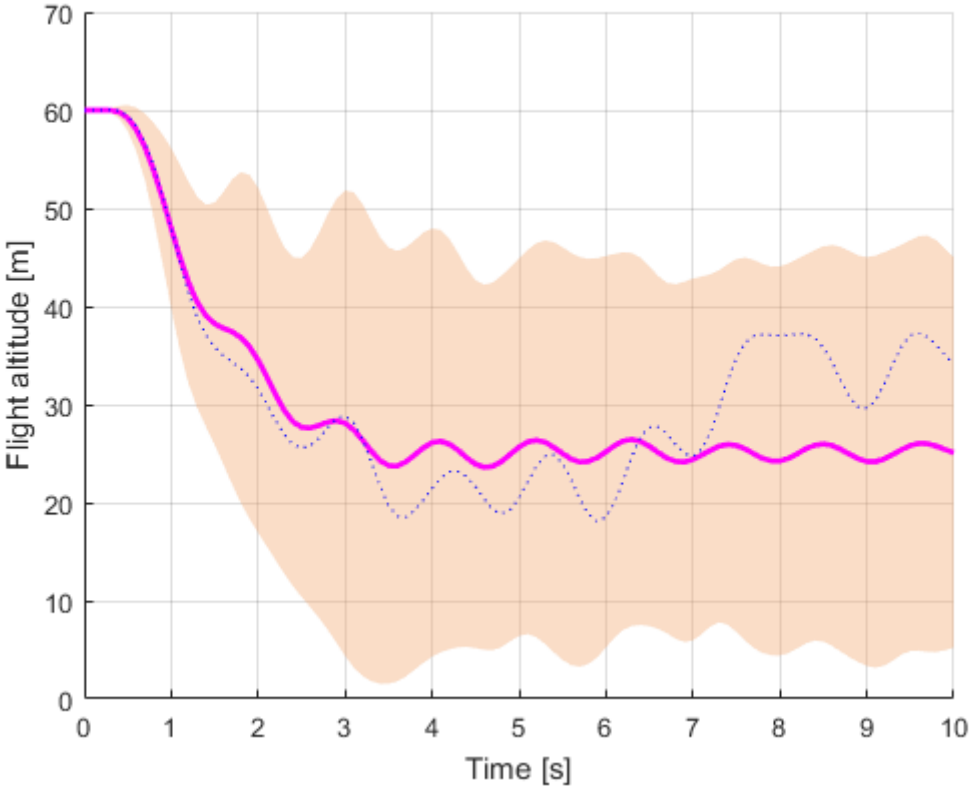

Figure 2.2.1

Example#03 – Statistical analysis of space ship landing trajectories on a planet without an atmosphere

Description:

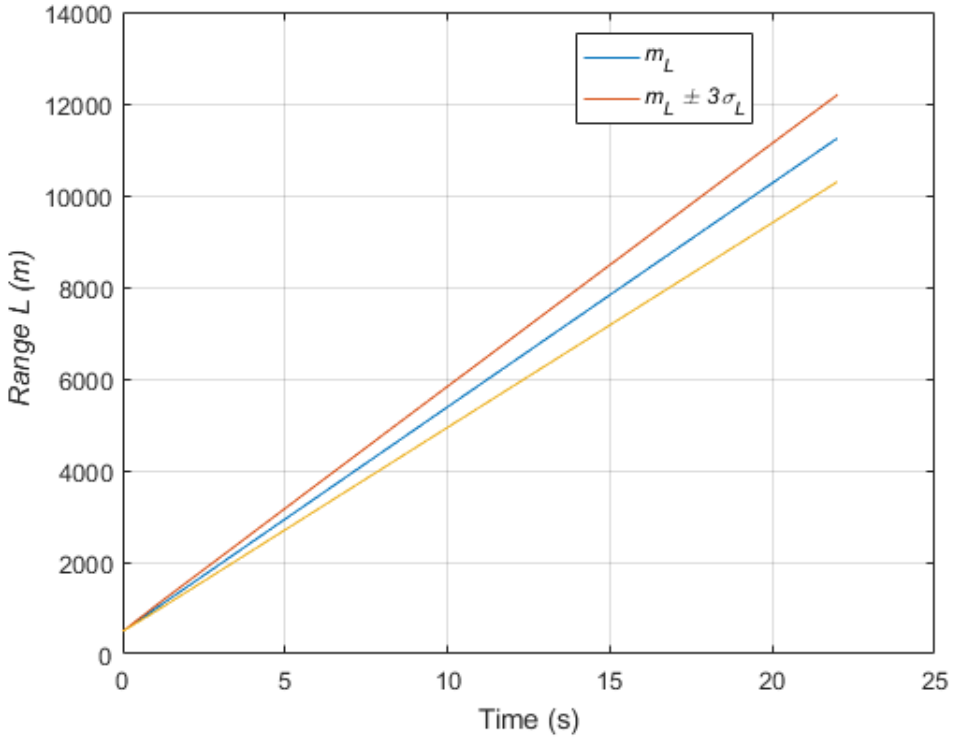

Figure 2.3.1

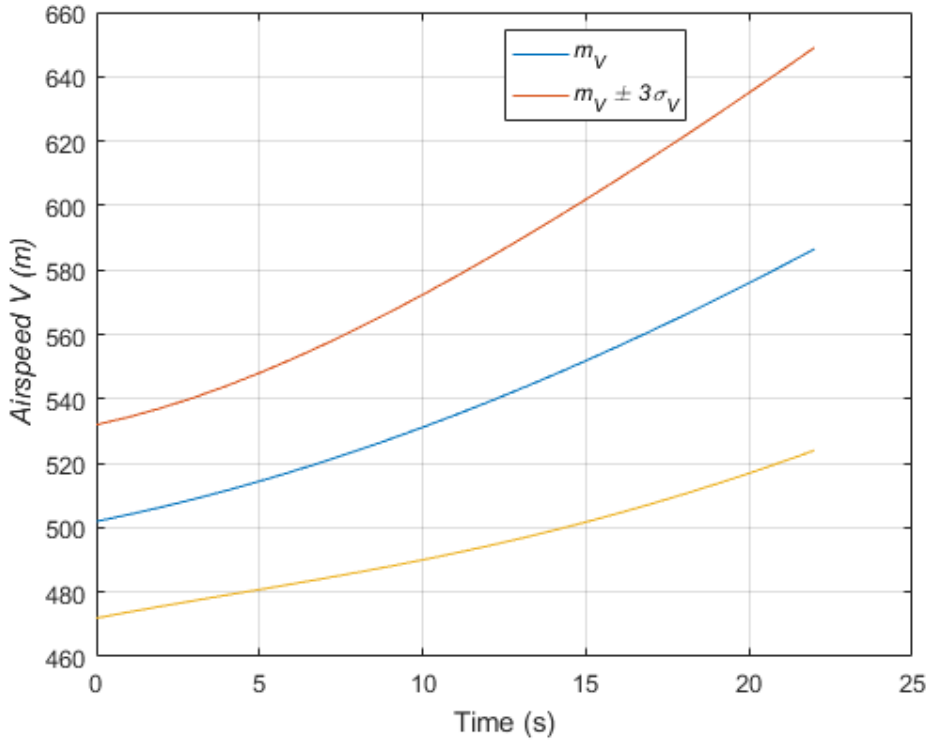

Figure 2.3.2

Example#04 – Battery management system

Description:
One of the simplest examples of using *SimScape* and *Stateflow* applications in Matlab&Simulink

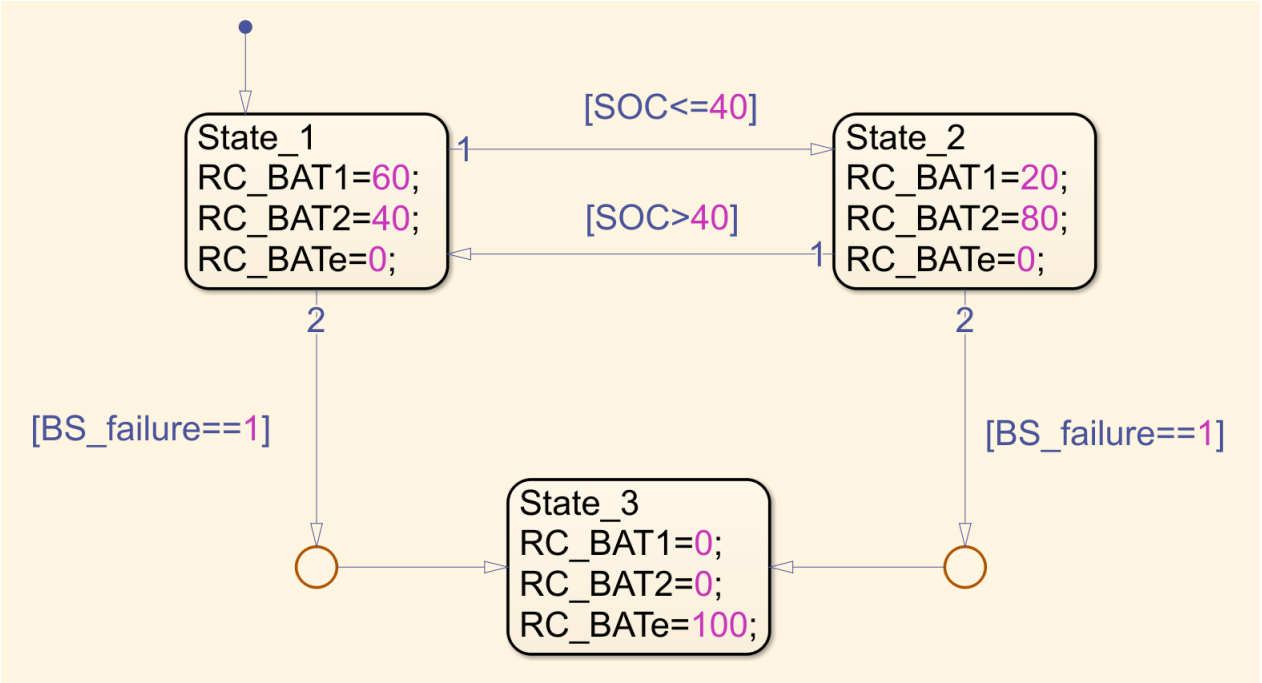

Figure 2.4.1 Development of battery management system using *Stateflow* application

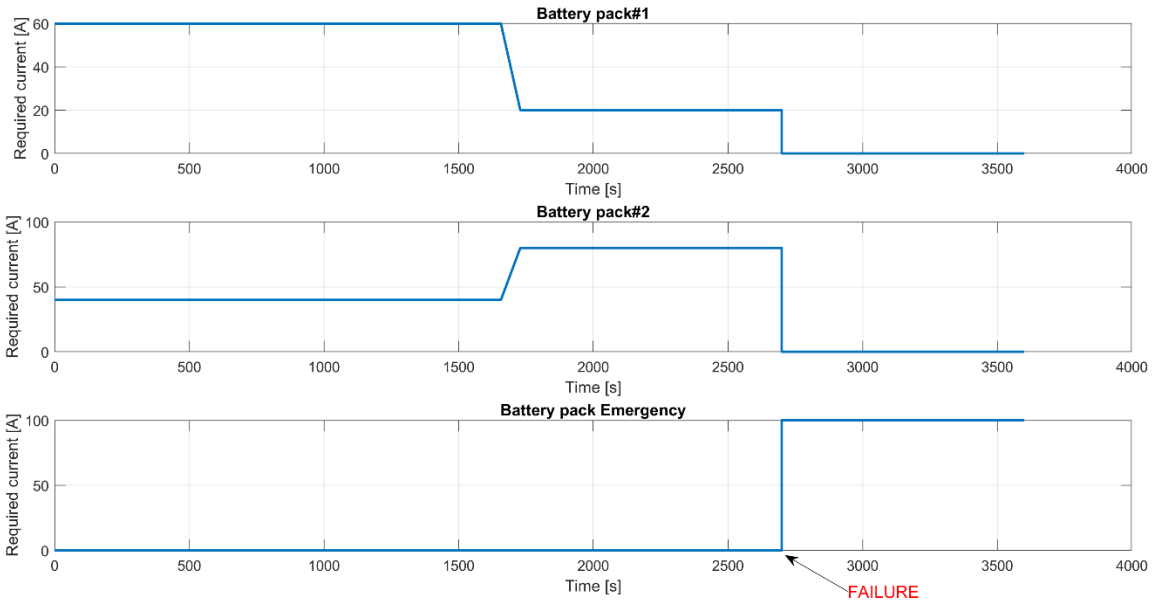

Figure 2.4.2 Simulation results of the battery management system

Example#05 – Modeling and Simulation of the wind-diesel power system

Description:

Example#06 – Modeling and Simulation of an UAV motion

Description:

Appendix A.

References