

Chapter 6. Pattern Recognition Electronic Supplement

Gönenç Yücel, Yaman Barlas

This archive contains the files and software necessary to conduct pattern-based model calibration, testing and behavior analysis as discussed in the chapter, as well as the instructions to setup and use these. Besides, the test model that is used in the chapter for demonstrative purposes can be found in this electronic supplement.

Contents

READ ME.pdf

This file

Challenge.pdf

Document providing the answer to the pattern-based model testing exercise and how SIS software can be used for that purpose.

Test Model (folder)

This folder contains the test model in Vensim® format, as well as its detailed documentation

TestModel.mdl

Model file

TestModel Documentation (folder)

Folder that contains the model documentation prepared using the SDM-Doc tool.

Testing – SIS (folder)

Folder that contains the SIS software that is used in the pattern-based model testing section of the chapter.

SIS.zip

Archive file that contains SIS.exe

Calibration – POPS (folder)

Folder that contains the Matlab® files that constitute the POPS model calibration system, as well as a manual that describes how to configure and use POPS

Manual_POPS.pdf

Manual that describes how to configure and use POPS

POPS.zip

Archive file that contains the Matlab® functions (.m files) that are used by for pattern-oriented model calibration

Behavior Analysis – BPS (folder)

Folder that contains Python files that are used for pattern-oriented behavior analysis with the BPC algorithm, as well as a manual that describes how to configure and use the BPC algorithm.

Manual_BPC.pdf

Manual that describes how to configure and use the BPC algorithm

BPC.zip

Archive that contains the Python code files (.py files) that are used by the BPC algorithm