

ISS0023 2018 HW2

177246

Estimate accuracy of the model on a validation data set

177187

$P = [\dot{y}; u];$

How did you measure \dot{y} ? No Simulink Scheme for that.

System is validated on water level up to 7mm that is almost nothing. The tank is always empty.

177306

No Simulink scheme showing how data was collected.

System is validated on water level up to 5mm only. It is almost nothing. The tank is always empty. It doesn't indicate accuracy of the model.

177265

No need to show all figures for similar experiments. Performance on the screenshots is not validation of the model.

What was input of the network? Number of time delays? Memory length/order of the model? How many inputs/outputs from past were used?

177186

How training data was produced? How validation was performed?

Too many similar figures/screenshots even without titles.

177303

How training data was produced? How many inputs/outputs from past were used?

184230

with random input in $[0;1]$, output will be very small - tank always almost empty.

$P = [\text{output}_n(2:799), \text{input}(2:799)]$ - what about T ?

184225

For this system, if input is in the range $[0 \ 0.55]$ then output will not be $[0 \ 1.2]$

177304

Outputs are in the range from 0 to 0.007m (that is just 7mm). The tank is always empty. This experiment doesn't show the accuracy of the model.

184772

How training data was produced in Simulink?

184219

For this system, if input is in the range [0 1] then output will not be [0 4]

There were no control task in HW2

172616

NB!

- Reports have to be presented electronically in PDF, DOC or DOCX format by the deadline given on the web page <http://www.a-lab.ee/edu/iss0023>
- You do not need to submit source files, Matlab scripts, simulation models, etc. All the results have to be explained in your report.

See https://a-lab.ee/edu/system/files/eduard.petlenkov/courses/ISS0023/2018_Autumn/materials/lab_reports_rules.pdf

How training data was produced?

177309

The task was not to identify Jacketed CSTR (fig. 13, fig. 19).

Identified system and generation of training data is not shown.

- Page limit of the report is 10 pages maximum.

See https://a-lab.ee/edu/system/files/eduard.petlenkov/courses/ISS0023/2018_Autumn/materials/lab_reports_rules.pdf

177308

The task was not to identify Jacketed CSTR

No model validation results. No comparison between the system and the model.

178259

Good analysis of results, but unfortunately nothing about Simulink model of the identified system.

184215

For this system, if input is in the range [0 1] then output can not be [0 4]

The same regarding validation. Something is wrong with data scale. Upper part of the figures is cutted. Thus it is not possible to see the range of output data.

Please send reports by e-mail. Not via OIS.

