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main function for low level dyn. use data 0702%%%

Initialization

Read txt exp. data

```
exp. data...
exp. data...
exp. data...
exp. data...
exp. data...
exp. data...
exp. data...
exp. data...
exp. data...
Saved
```

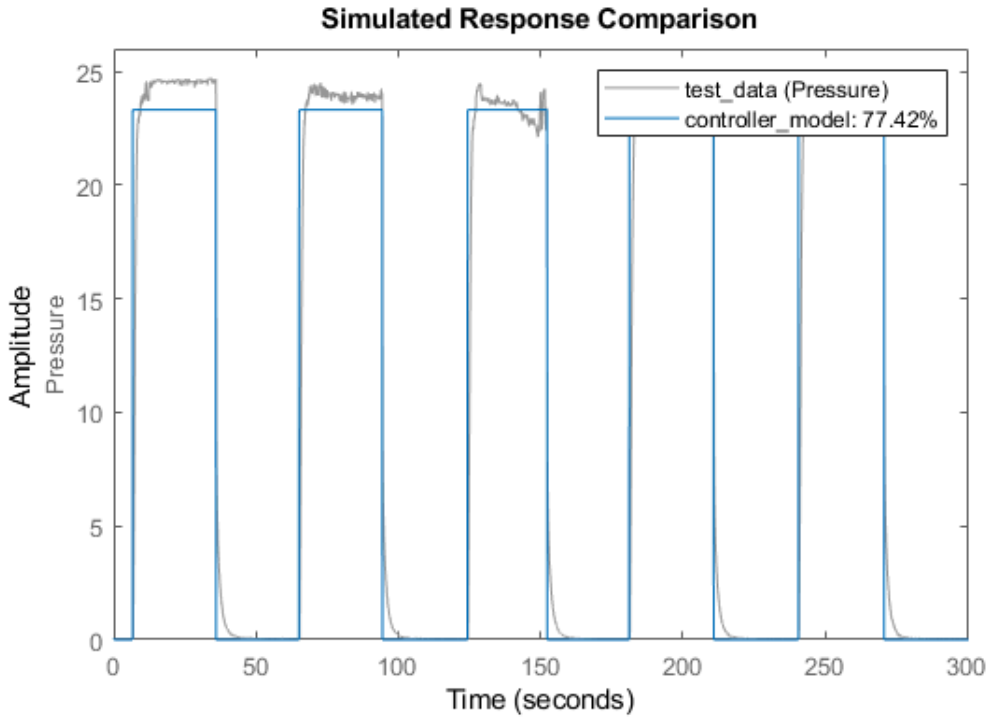
Calculate dot_pm, segment inflation and deflation process

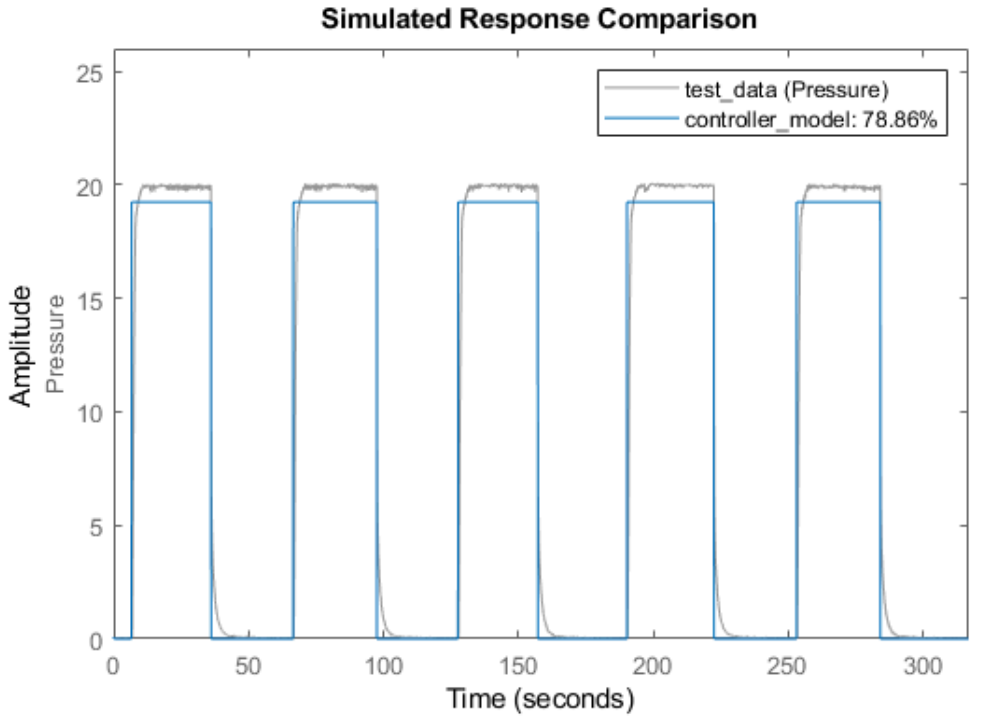
```
Splitting Inf and Def Process
Splitted Inf and Def
```

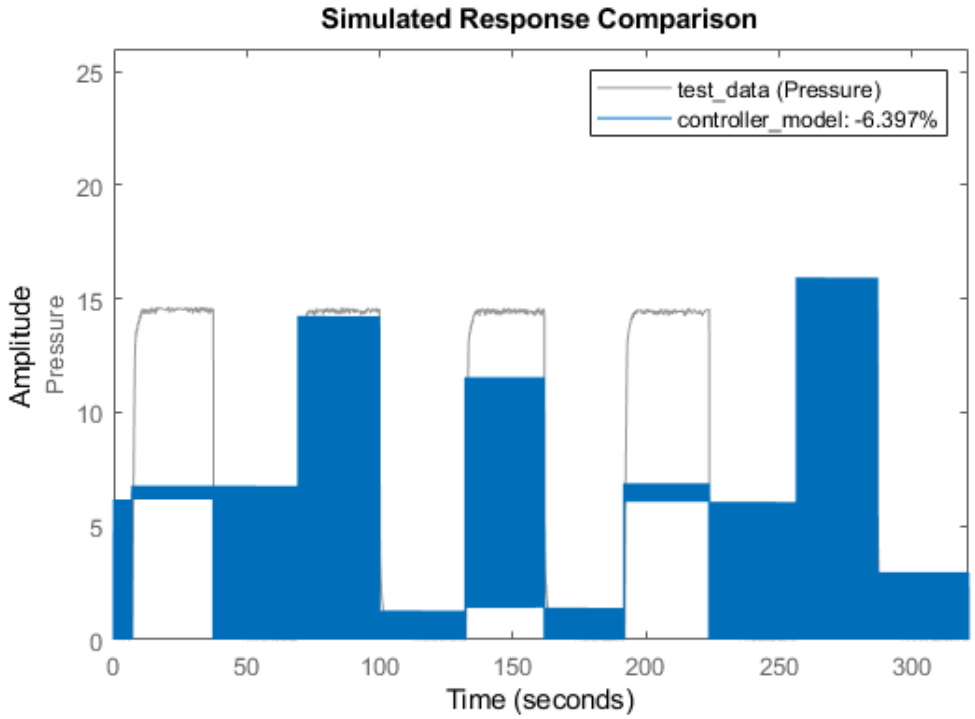
Plot Overlay Results

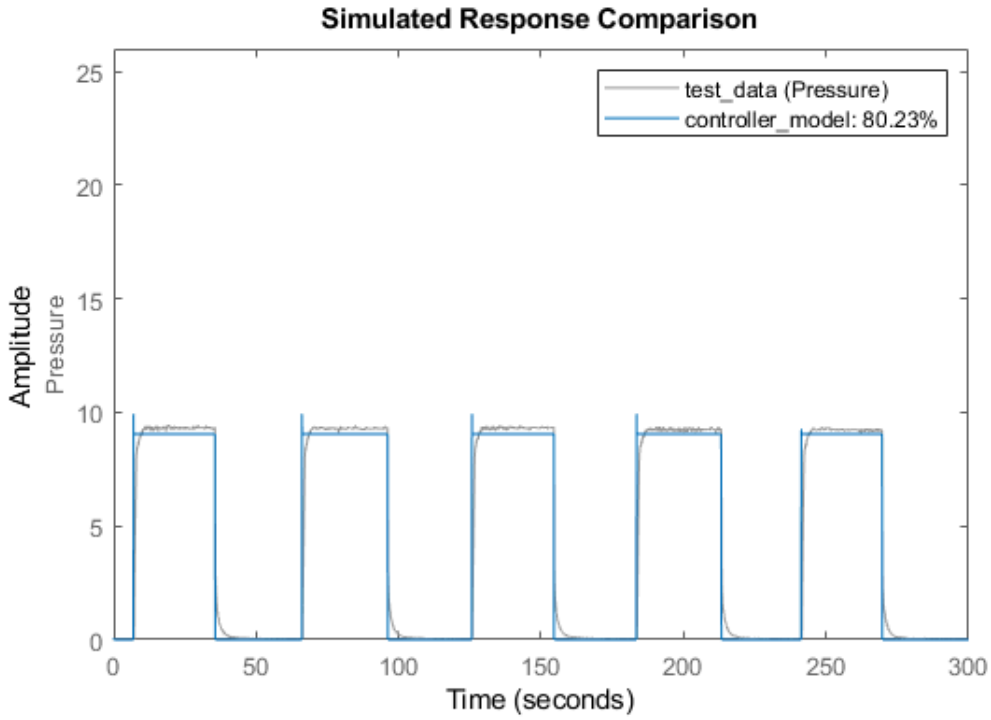
func_plot_low_level_overlayResult(par_set);

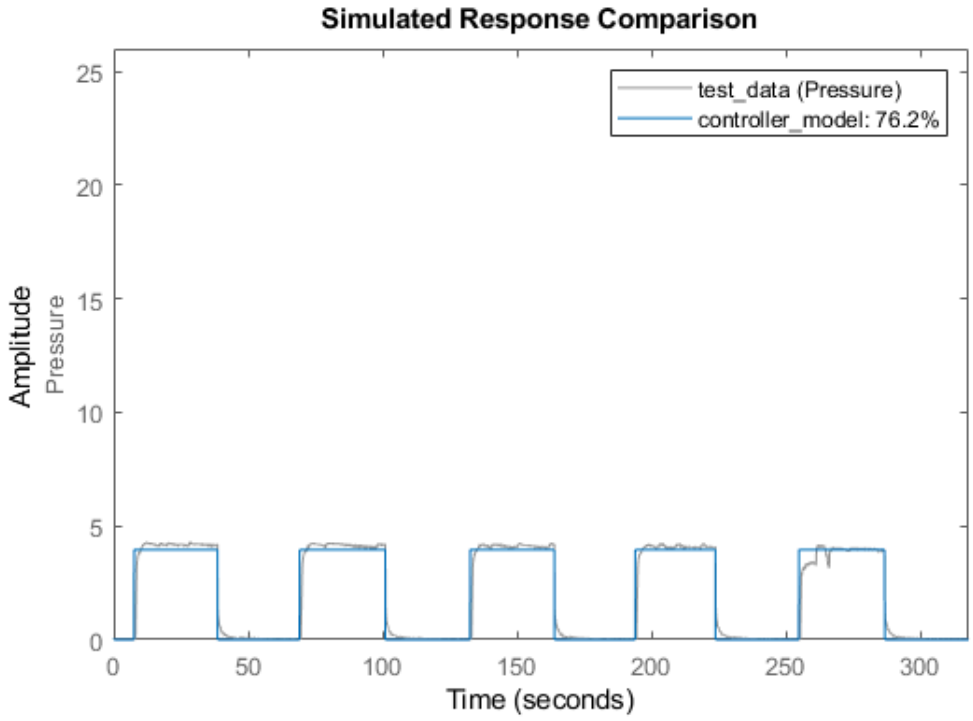
Estimate controller parameters d_pm=-a * pm + b * pd

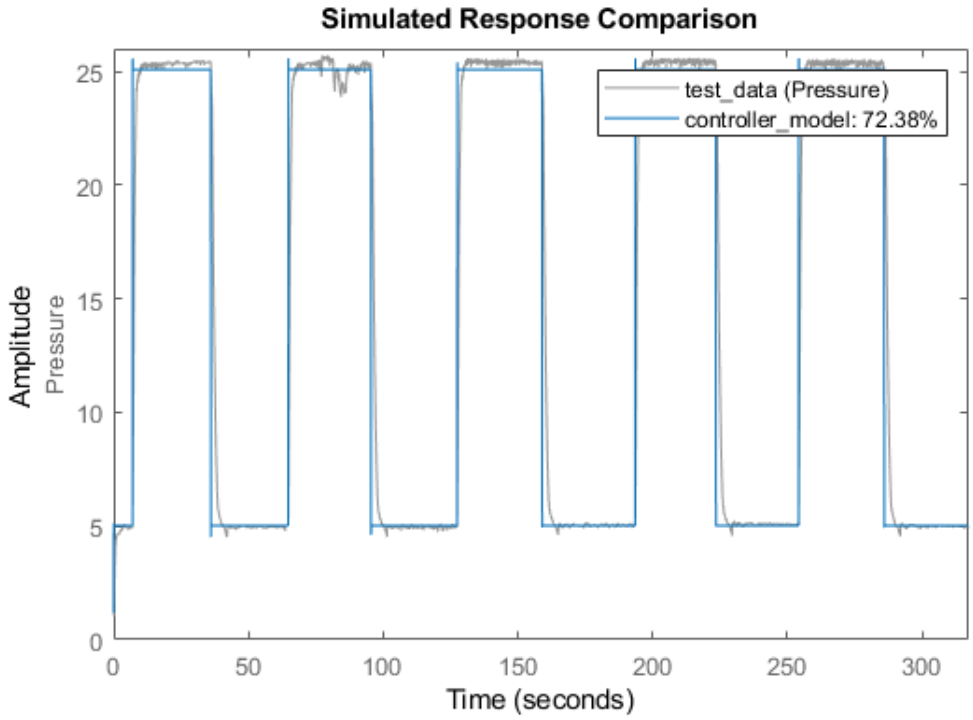


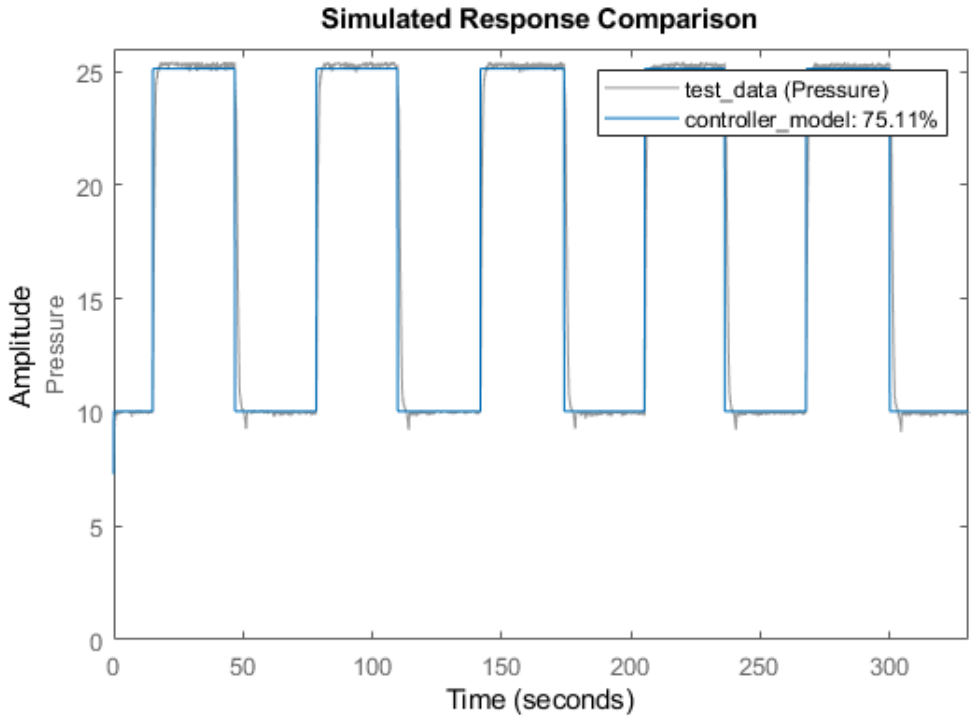


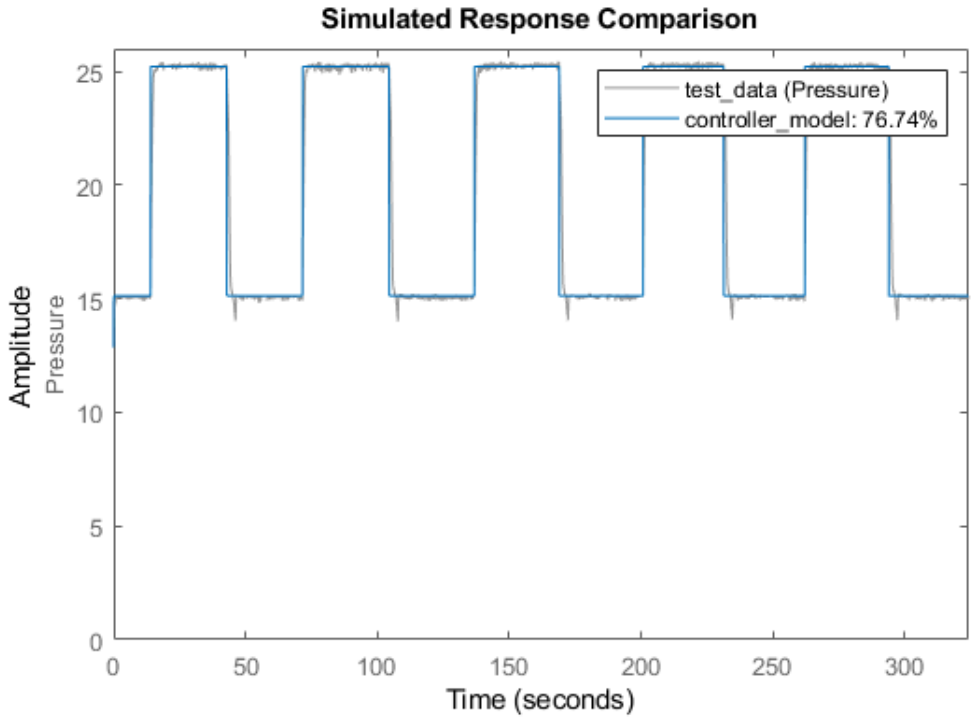

Simulated Response Comparison
test_data (Pressure)
controller_model: -6.397%
Amplitude
Pressure
Time (seconds)
0
5
10
15
20
25
0
50
100
150
200
250
300

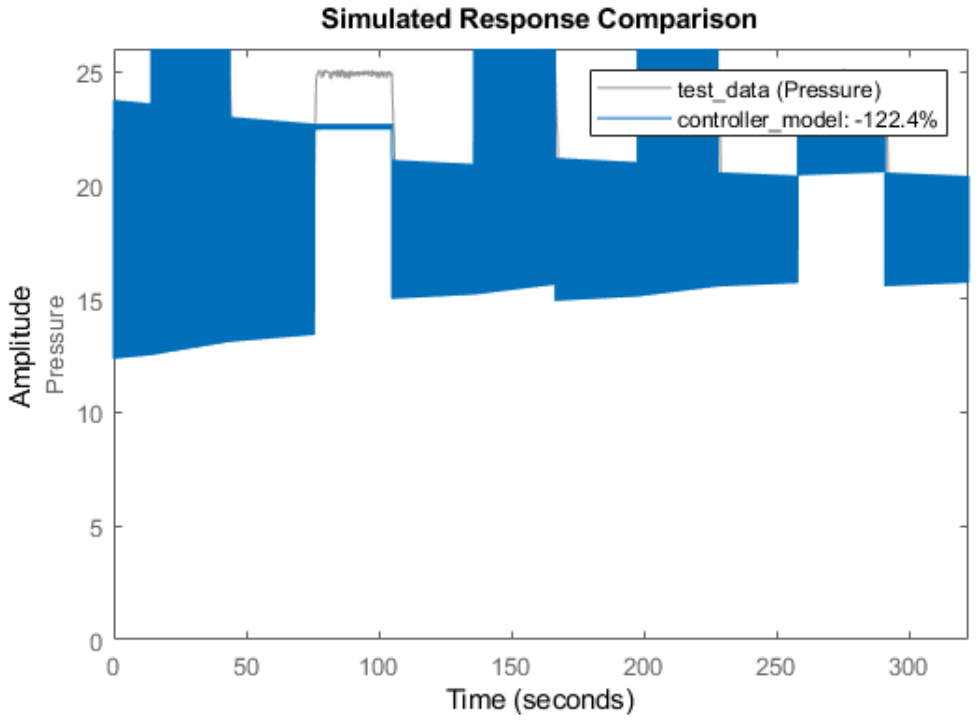

Simulated Response Comparison
test_data (Pressure)
controller_model: 80.23%
Amplitude
Pressure
Time (seconds)
0
5
10
15
20
25
0
50
100
150
200
250
300

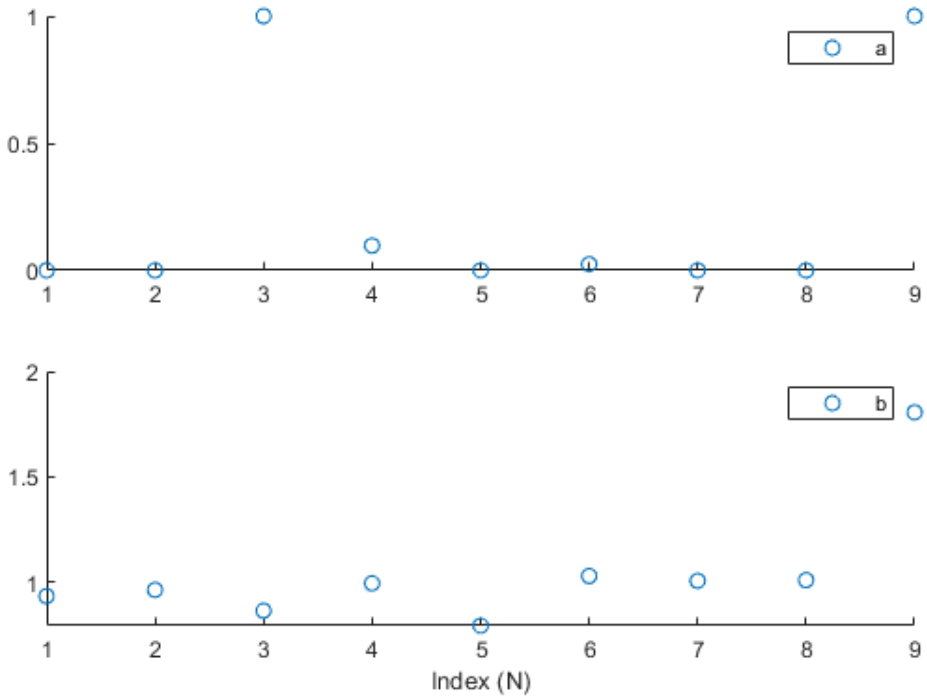

Simulated Response Comparison
test_data (Pressure)
controller_model: 76.2%
Amplitude
Pressure
Time (seconds)
0
5
10
15
20
25
0
50
100
150
200
250
300


Simulated Response Comparison
test_data (Pressure)
controller_model: 72.38%
Amplitude
Pressure
Time (seconds)
0
5
10
15
20
25
0
50
100
150
200
250
300


Simulated Response Comparison
test_data (Pressure)
controller_model: 75.11%
Amplitude
Pressure
Time (seconds)
0
5
10
15
20
25
0
50
100
150
200
250
300


Simulated Response Comparison
test_data (Pressure)
controller_model: 76.74%
Amplitude
Pressure
Time (seconds)
0
5
10
15
20
25
0
50
100
150
200
250
300





Compare averaged model with different trails

```
par_set=func_CompareAveragedModel(par_set);
```

Published with MATLAB® R2018b