

MATLAB® Test Report

Timestamp: 07-Sep-2023 10:08:38

Host: KLAPPSPATEN

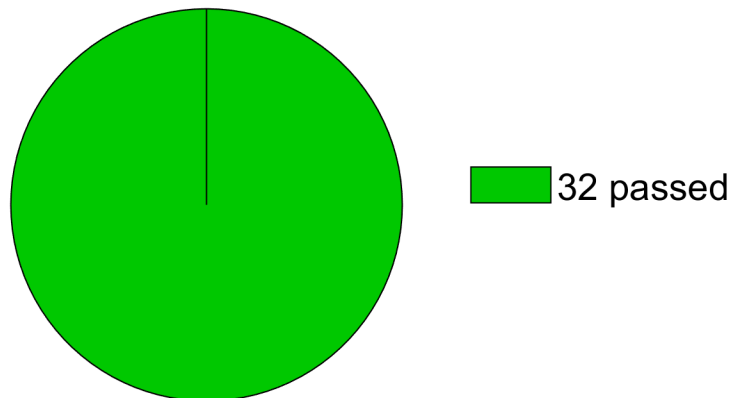
Platform: win64

MATLAB Version: 9.13.0.2193358 (R2022b) Update 5

Number of Tests: 32

Testing Time: 16.8307 seconds

Overall Result: PASSED



Overview

C:\Users\Enrico\Desktop\Arbeit\mtitb\mit-toolbox\tests\

<u>OtiMTITest</u> ✓✓	0.0431 seconds
<u>cpn2LinTest</u> ✓	0.0136 seconds
<u>cpnTensTest</u> ✓	0.0251 seconds
<u>drmsTest</u> ✓	0.0101 seconds
<u>hyCPN1Test</u> ✓	0.0244 seconds
<u>hyDmsimTest</u> ✓✓	9.7253 seconds
<u>hyDmssTest</u> ✓✓✓	0.1819 seconds
<u>ktensor2norm1CPNTest</u> ✓✓✓✓	0.1025 seconds
<u>mss2SsTest</u> ✓	0.0459 seconds
<u>mssTest</u> ✓✓✓	0.0968 seconds
<u>norm1CPNTest</u> ✓✓	0.0243 seconds
<u>rmssTest</u> ✓	0.0054 seconds
<u>simMTITest</u> ✓✓✓	0.2758 seconds
<u>ss2MssTest</u> ✓	0.0254 seconds
<u>timeseries2CpnAlsTest</u> ✓✓✓	0.1072 seconds
<u>timeseries2CpnNonlinTest</u> ✓✓✓	6.1239 seconds

Details

C:\Users\Enrico\Desktop\Arbeit\mtitb\mit-toolbox\tests\

OtiMTITest

✓ OptiMTInoErrorTest

The test passed.
Duration: 0.0427 seconds

[\(Overview\)](#)

✔ OptiMTIAutonomousTest

The test passed.
Duration: 0.0003 seconds

[\(Overview\)](#)

cpn2LinTest

✔ firstTest

The test passed.
Duration: 0.0136 seconds

[\(Overview\)](#)

cpnTensTest

✔ createRandomCpnTensTest

The test passed.
Duration: 0.0251 seconds

[\(Overview\)](#)

drmsTest

✔ firstTest

The test passed.
Duration: 0.0101 seconds

[\(Overview\)](#)

hyCPN1Test

✔ hyCPN1ConstructTest

The test passed.
Duration: 0.0244 seconds

[\(Overview\)](#)

hyDmsimTest

✔ hyDmsimContinuousTimeTest

The test passed.
Duration: 7.4596 seconds

[\(Overview\)](#)

✔ hyDmsimDiscontinuousTest

The test passed.
Duration: 2.2657 seconds

[\(Overview\)](#)

hyDmssTest

✔ hyDmssConstructorTest

The test passed.
Duration: 0.0332 seconds

[\(Overview\)](#)

✔ mss2hyDmssConstructorTest

The test passed.
Duration: 0.0558 seconds

[\(Overview\)](#)

✔ mss2hyDmssMethodOfMssTest

The test passed.
Duration: 0.0929 seconds

[\(Overview\)](#)

ktensor2norm1CPNTest

✔ Cp2CpnShapeTest

The test passed.
Duration: 0.0526 seconds

[\(Overview\)](#)

✔ fromNegativeCPTest

The test passed.
Duration: 0.0195 seconds

[\(Overview\)](#)

✔ fromrandomNegativTest

The test passed.
Duration: 0.0156 seconds

[\(Overview\)](#)

✔ fromZeroFactorsCPTest

The test passed.
Duration: 0.0148 seconds

[\(Overview\)](#)

mss2SsTest

✔ firstTest

The test passed.

Duration: 0.0459 seconds

[\(Overview\)](#)

mssTest

✔ constructFromNormOneOnlyFTest

The test passed.

Duration: 0.0122 seconds

[\(Overview\)](#)

✔ nmChecktest

The test passed.

Duration: 0.0118 seconds

[\(Overview\)](#)

✔ constructFromMatrixTest

The test passed.

Duration: 0.0728 seconds

[\(Overview\)](#)

norm1CPNTest

✔ fromFullTest

The test passed.

Duration: 0.0101 seconds

[\(Overview\)](#)

✔ fromNorm1CPNTest

The test passed.

Duration: 0.0142 seconds

[\(Overview\)](#)

rmssTest

✔ firstTest

The test passed.

Duration: 0.0054 seconds

[\(Overview\)](#)

simMTITest

✔ BackWardsCompatibilityTest

The test passed.

Duration: 0.0470 seconds

[\(Overview\)](#)

✔ BackWardsCompatibilityBooleanTest

The test passed.

Duration: 0.0215 seconds

[\(Overview\)](#)

✔ ContinuousSimulationTest

The test passed.

Duration: 0.2073 seconds

[\(Overview\)](#)

ss2MssTest

✔ firstTest

The test passed.

Duration: 0.0254 seconds

[\(Overview\)](#)

timeseries2CpnAlsTest

✔ timeseries2CpnAlsnoErrorTest

The test passed.

Duration: 0.0608 seconds

[\(Overview\)](#)

✔ timeseries2CpnAlsSizeTest

The test passed.

Duration: 0.0462 seconds

[\(Overview\)](#)

✔ OptiMTIAutonomousTest

The test passed.

Duration: 0.0002 seconds

[\(Overview\)](#)

timeseries2CpnNonlinTest

✔ ParameterReshapingTest

The test passed.

Duration: 2.5185 seconds

[\(Overview\)](#)

✔ ParameterOptionTest

The test passed.

Duration: 3.6052 seconds

[\(Overview\)](#)

✔ ParameterIdentificationAutonomousTest

The test passed.

Duration: 0.0002 seconds

[\(Overview\)](#)

Command Window Text

```
Running OtiMTITest
..
Done OtiMTITest
-----

Running cpn2LinTest
.
Done cpn2LinTest
-----

Running cpnTensTest
.
Done cpnTensTest
-----

Running drmsTest
.
Done drmsTest
-----

Running hyCPN1Test
.
Done hyCPN1Test
-----

Running hyDmsimTest
At least one inequality is equal to an equation! The inequality has been reduced.
Reduced by 1 column(s) and 2 equation(s) with trivial Reduction due to duplications.
.Reduced by 5 column(s) and 0 equation(s) with trivial Reduction due to duplications.
.
Done hyDmsimTest
-----

Running hyDmssTest
At least one inequality is equal to an equation! The inequality has been reduced.
Reduced by 1 column(s) and 2 equation(s) with trivial Reduction due to duplications.
.Reduced by 1 column(s) and 0 equation(s) with trivial Reduction due to duplications.
.Reduced by 1 column(s) and 0 equation(s) with trivial Reduction due to duplications.
Reduced by 1 column(s) and 0 equation(s) with trivial Reduction due to duplications.
.
Done hyDmssTest
-----

Running ktensor2norm1CPNTest
...[Warning: Zero factors detected, tensor reduced.]
[> In cpnTens.ktensor2Cpn (line 33)
In norm1CPN.ktensor2norm1CPN (line 15)
In ktensor2norm1CPNTest>fromZeroFactorsCPNTest (line 36)]
.
Done ktensor2norm1CPNTest
-----

Running mss2SsTest
[Warning: No Outputs defined, assuming states as outputs.]
[> In mss/mss2Ss (line 45)
In mss2SsTest>firstTest (line 16)]
.
Done mss2SsTest
-----

Running mssTest
...
Done mssTest
-----

Running norm1CPNTest
..
Done norm1CPNTest
-----

Running rmssTest
.
Done rmssTest
-----

Running simMTITest
...
Done simMTITest
-----

Running ss2MssTest
.
Done ss2MssTest
-----

Running timeseries2CpnAlsTest
```



```
Identification finished: number of iterations: 1, final cost: 1.1745
.Change from one iteration to the next is lower than the limit.
Identification finished: number of iterations: 4, final cost: 0.46954
..
Done timeseries2CpnAlsTest
```

```
Running timeseries2CpnNonlinTest
identification finished: final cost: 0.82907
.Optimization terminated: maximum number of generations exceeded.
identification finished: final cost: 3.5384
..
Done timeseries2CpnNonlinTest
```
