ssym

November 7, 2023

1 SX.sym

[1]:
```
from casadi import *
```

2 Construct using a single name

The names of the entries of the SX will be derived from the name provided as argument to SX.sym.

Without shape arguments, a 1-by-1 matrix is constructed:

[2]:
```
x = SX.sym("x")
print(type(x), x)
```

```
<class 'casadi.casadi.SX'> x
```

Create a column matrix

[3]:
```
print(SX.sym("x",2,1))
```

```
[x_0, x_1]
```

Create a row matrix

[4]:
```
print(SX.sym("x",1,2))
```

```
[[x_0, x_1]]
```

Create a matrix

[5]:
```
print(SX.sym("x",2,3))
```

```
[[x_0, x_2, x_4],
 [x_1, x_3, x_5]]
```