## ssym

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This file is part of CasADi.

CasADi -- A symbolic framework for dynamic optimization.

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## 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))

Create a row matrix

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

Create a matrix

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