veccat

November 7, 2023

This file is part of CasADi.

CasADi -- A symbolic framework for dynamic optimization.

Copyright (C) 2010-2023 Joel Andersson, Joris Gillis, Moritz Diehl,

KU Leuven. All rights reserved.

Copyright (C) 2011-2014 Greg Horn

CasADi is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version.

CasADi is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with CasADi; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

1 veccat

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

[2]: A = MX.sym("A",2)  # Here a matrix
B = MX.sym("B",2,1)  # There a matrix
C = MX.sym("C")  # And an other little matrix
D = MX.sym("D",Sparsity.lower(4))  # Triangular matrix
[3]: L = veccat(A,B,C,D)
print(L)
```

vertcat(A, B, C, vec(D))