

Input n, Ps, W, and Type for NURBS Curve.
For OPEN type: 1
For CLOSED type: 2
n (input interger>3):
W (1 by n+1 matrix all positive values): auto input below
Ps (4 by n+1 matrix last rows is all ones): auto input below
Open or Closed Value: auto input below
This program output are n, Ps, W and Type. Then plot the NURBS.

Type (Open=1) (Close=2) :1

n = 6

W =

6	6	2	9	5	3	9
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Ps =

11	7	-4	-9	-5	14	-7
16	7	-9	16	0	4	-2
-9	-15	9	13	8	3	9
1	1	1	1	1	1	1

Max Curvature: 58.7681

Max Curvature x,y,z position =

-8.3300

13.0244

12.2967

Max Torsion: 2.9572

Max Torsion x,y,z position =

2.5293

1.7330

6.1331

Check graph in plot.

For Numerical Values of type in desire values base off Workspace:

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