

1 Test eval of pgfmathparse

1.1 Input precision

0

0.

0.0

0.00

0.000

0.0000

0.00000

0.000000

0.1

0.01

0.001

0.0001

0.00001

0.000001

0.0000001

12345678901234567890123456789012345678901234567890123456789012345678901234567890123456

1.2.3.4.5

1.1234567890123456789012345678901234567890123456789012345678901234567890123456789012345

1.2 simple infix arithmetic

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

1.00001

1.00002

1.00002

1.0

16383.0

1.3 unary signs

0

0.0

0.0

10
-10.0
10.0
-10.0
0.1
-0.1
-16383.0

1.4 int

0
0
0
0
0
0
0
0
0

1.5 Unit arithmetic

3.0
3.5
3.05
3.005
3.0005
3.00005
3.0
3.0
5.5
5.0
5.0

1.6 Precision multiplication

20.0
20.0
20.0

20.20001
20.01999
20.00201

20.00021
20.00003
20.0
20.0
20.0

1.7 Factorials

1.0
1.0
2.0
6.0
24.0
120.0
720.0
5040.0

1.8 Function bare args

cos left: 0.80902
cos right:-0.2
cos precedence: -0.2
sin cos right: -0.01746
sin cos precedence: -0.01746

1.9 Figure test

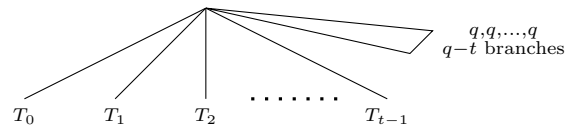


Figure 1: The root of a tree diagram for \mathcal{C}