

1 Test eval of pgfmathparse

1.1 Input precision

[illegible]

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
1.00002 = 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 = 20.20001
20.01999 = 20.01999
20.00201 = 20.00201

20.00021 = 20.00021
20.00003 = 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 = -0.01746
sin cos precedence: -0.01746 = -0.01746

1.9 Figure test

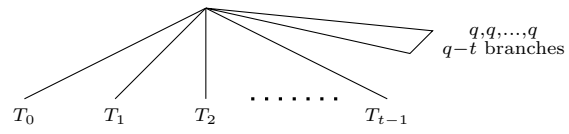


Figure 1: The root of a tree diagram for \mathcal{C}