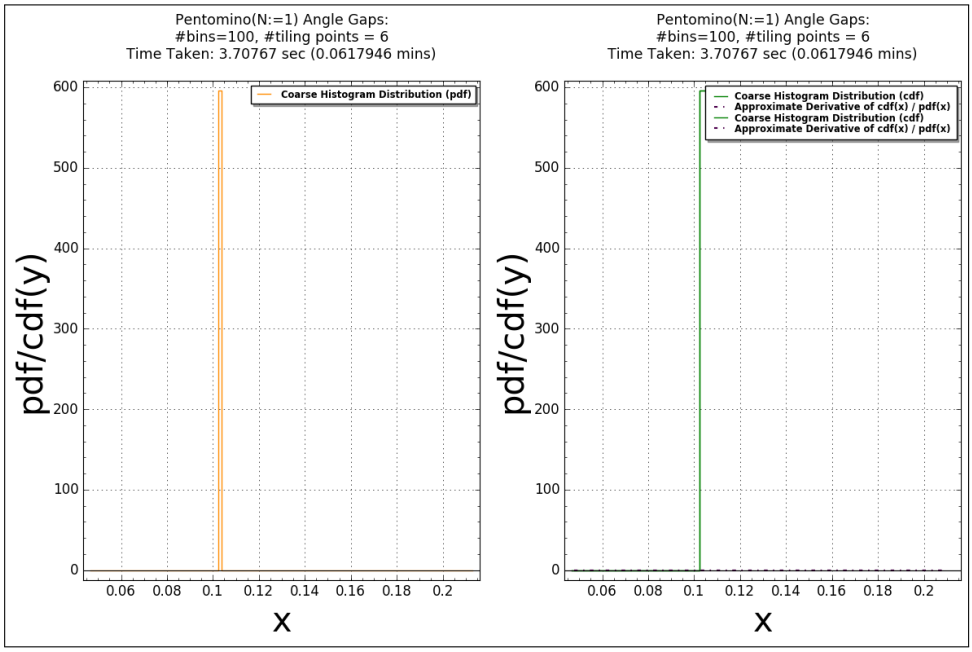
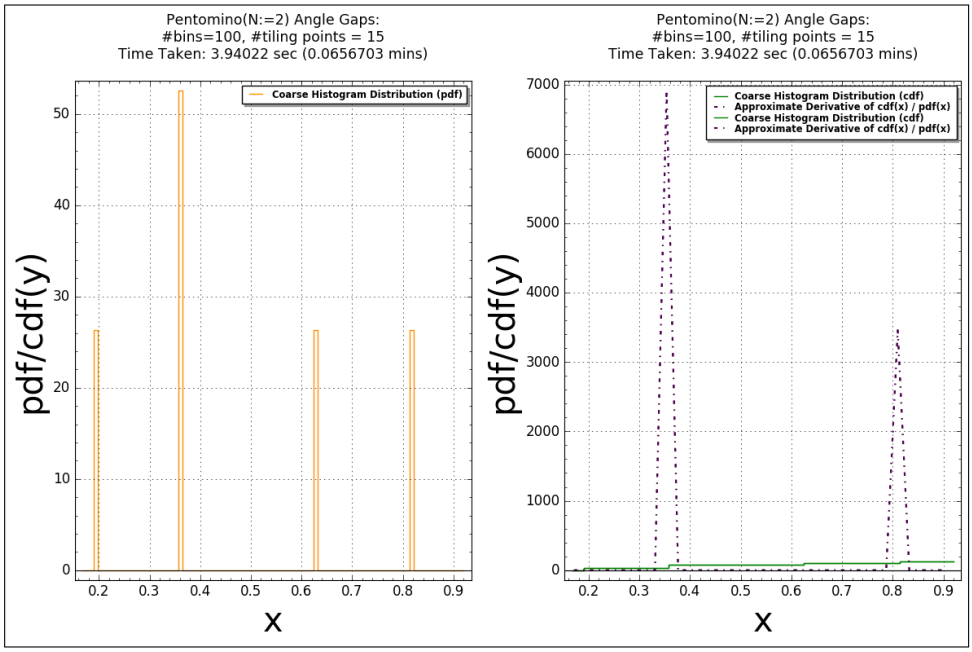
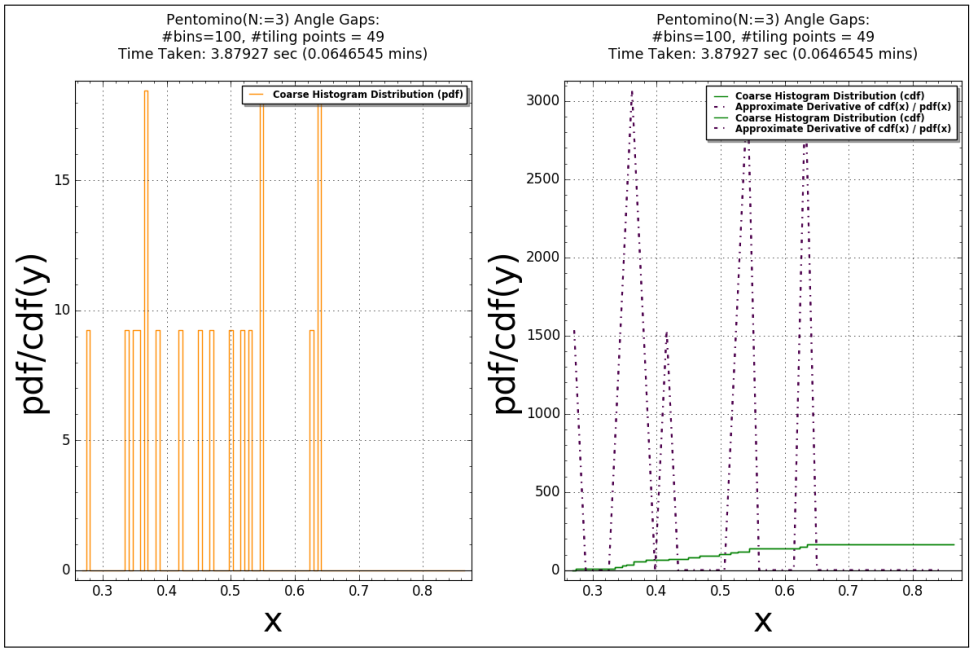
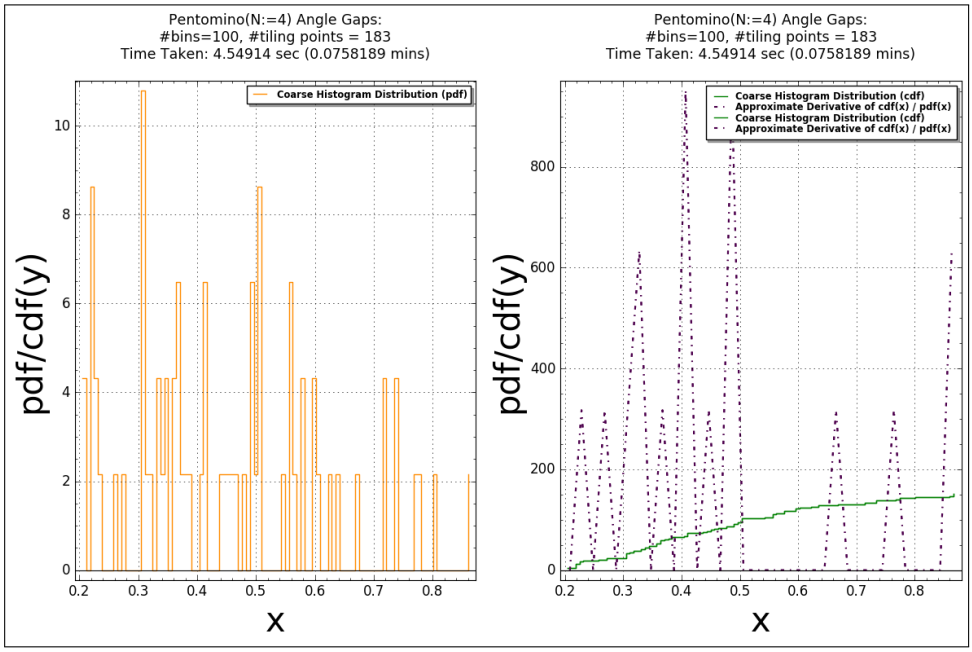
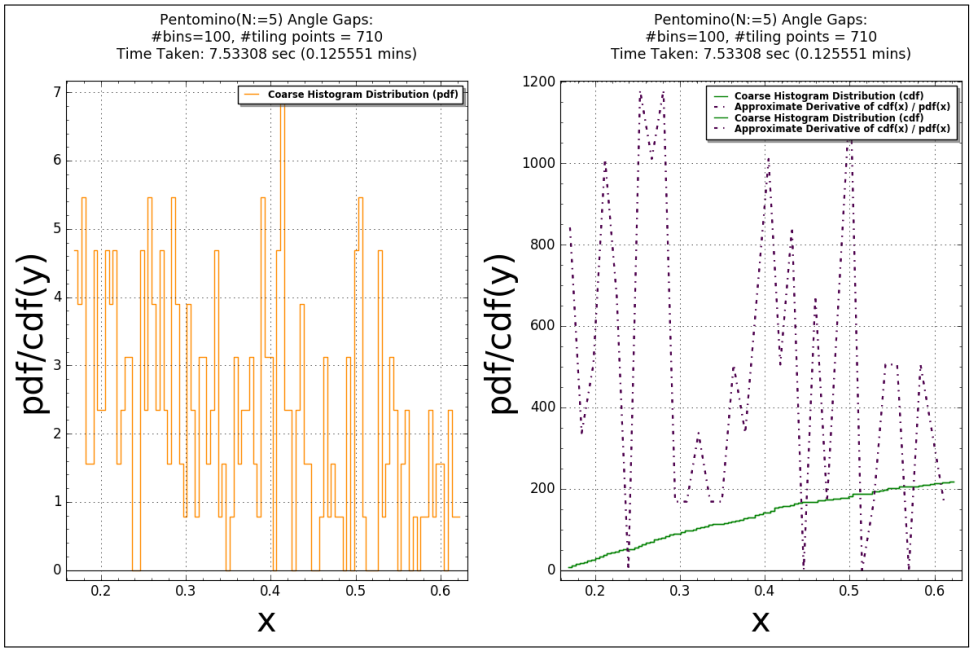
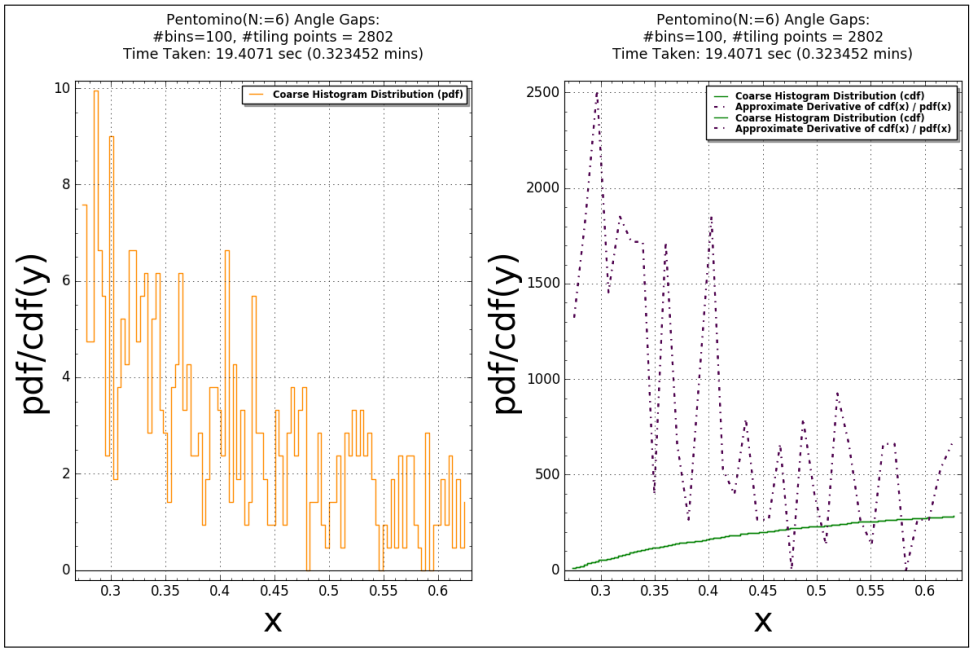

Pentomino(N:=1) Angle Gaps:
#bins=100, #tiling points = 6
Time Taken: 3.70767 sec (0.0617946 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=1) Angle Gaps:
#bins=100, #tiling points = 6
Time Taken: 3.70767 sec (0.0617946 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

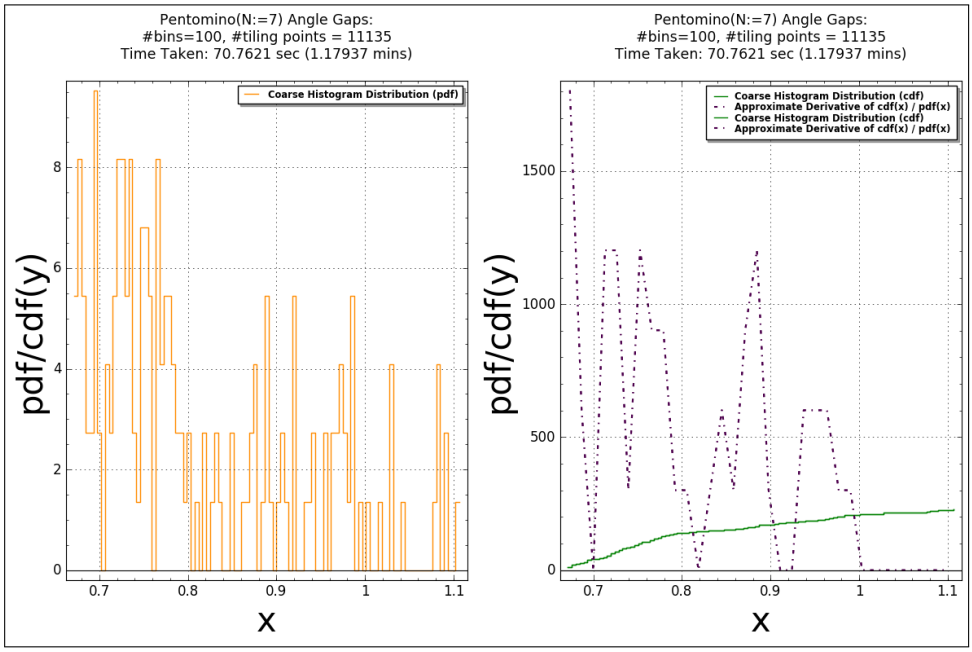

Pentomino(N:=2) Angle Gaps:
#bins=100, #tiling points = 15
Time Taken: 3.94022 sec (0.0656703 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=2) Angle Gaps:
#bins=100, #tiling points = 15
Time Taken: 3.94022 sec (0.0656703 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

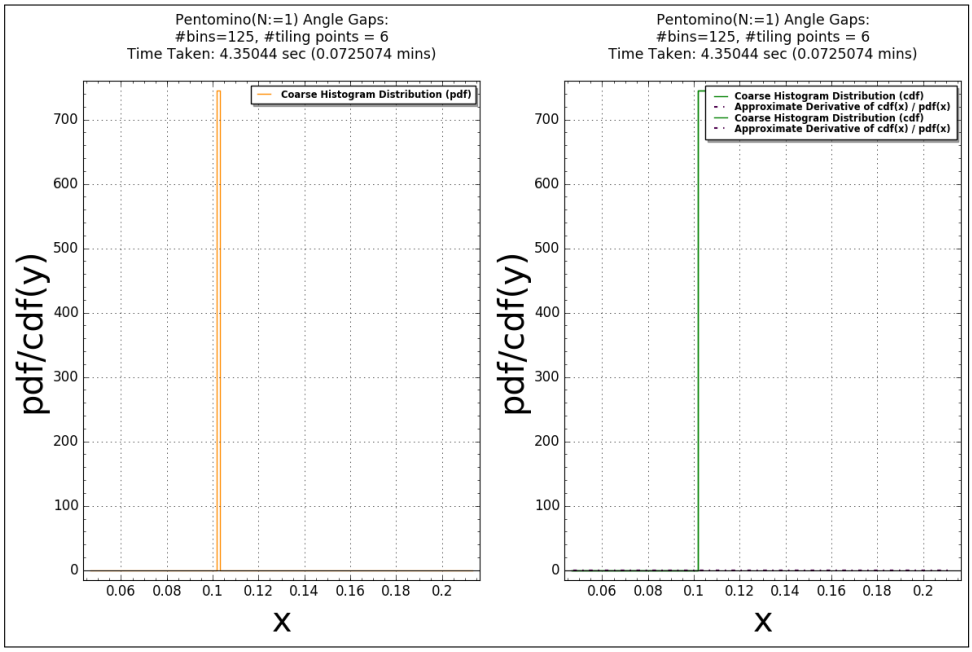

Pentomino(N:=3) Angle Gaps:
#bins=100, #tiling points = 49
Time Taken: 3.87927 sec (0.0646545 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=3) Angle Gaps:
#bins=100, #tiling points = 49
Time Taken: 3.87927 sec (0.0646545 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

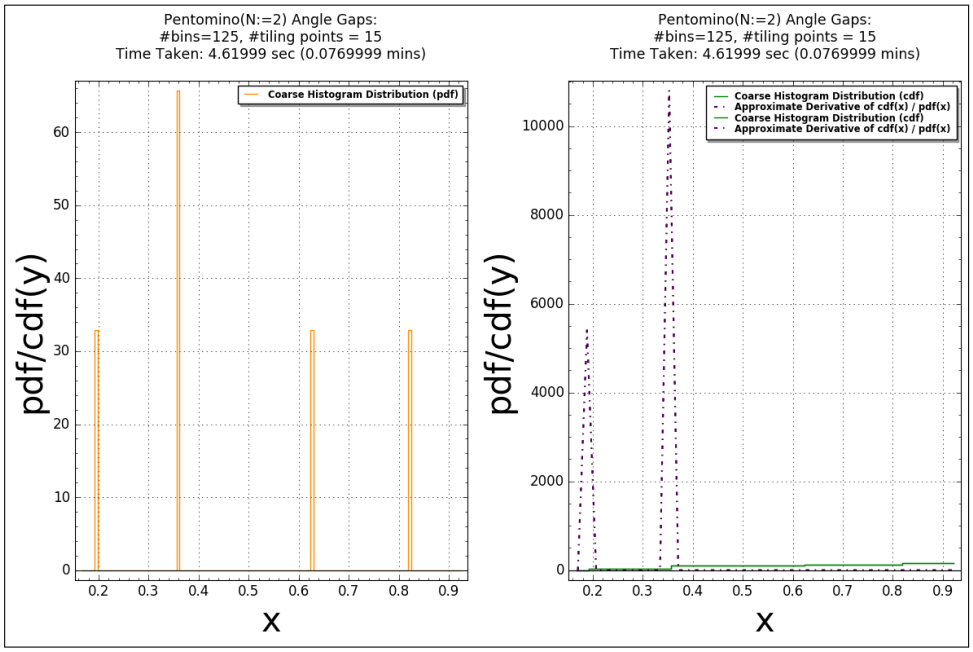

Pentomino(N:=4) Angle Gaps:
#bins=100, #tiling points = 183
Time Taken: 4.54914 sec (0.0758189 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=4) Angle Gaps:
#bins=100, #tiling points = 183
Time Taken: 4.54914 sec (0.0758189 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

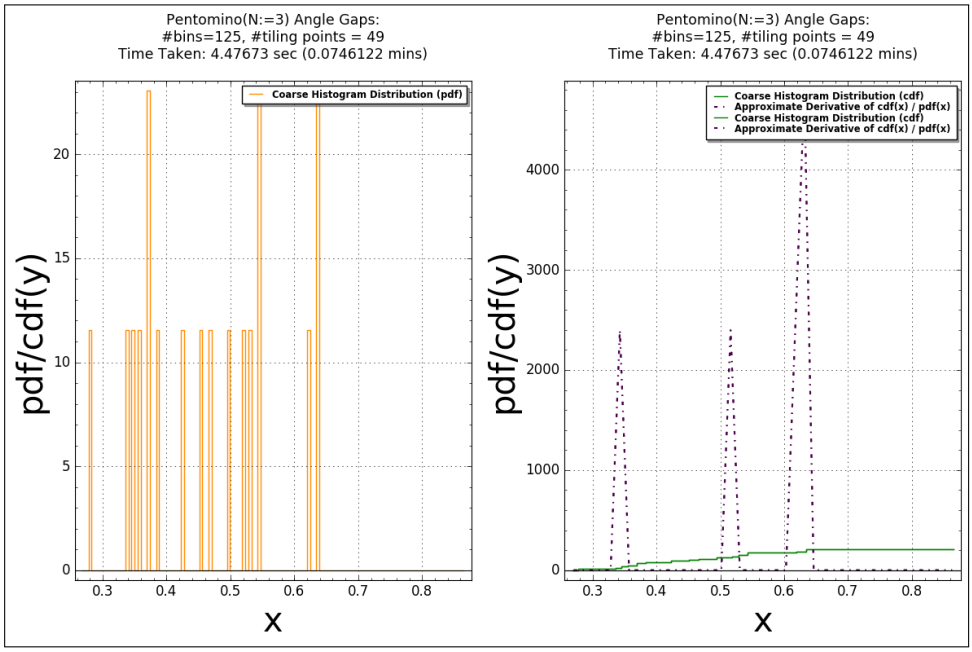

Pentomino(N:=5) Angle Gaps:
#bins=100, #tiling points = 710
Time Taken: 7.53308 sec (0.125551 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=5) Angle Gaps:
#bins=100, #tiling points = 710
Time Taken: 7.53308 sec (0.125551 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

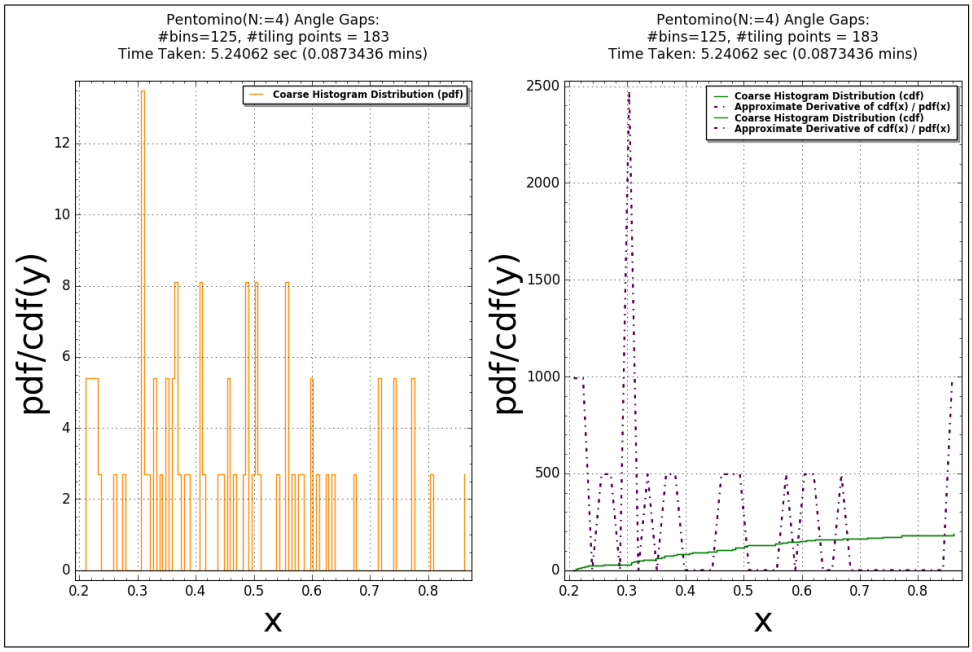

Pentomino(N:=6) Angle Gaps:
#bins=100, #tiling points = 2802
Time Taken: 19.4071 sec (0.323452 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=6) Angle Gaps:
#bins=100, #tiling points = 2802
Time Taken: 19.4071 sec (0.323452 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

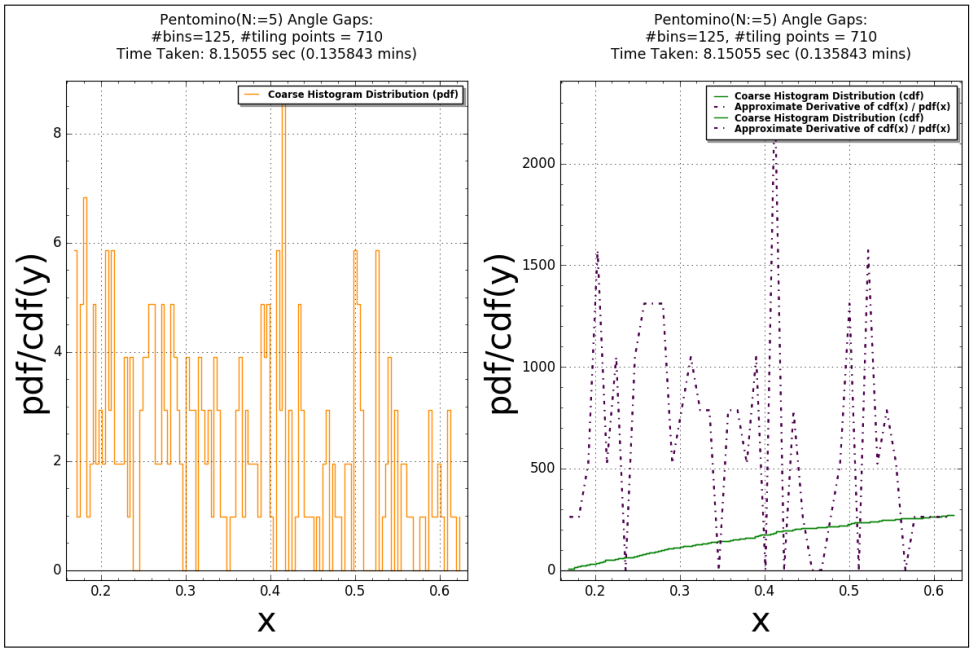

Pentomino(N:=7) Angle Gaps:
#bins=100, #tiling points = 11135
Time Taken: 70.7621 sec (1.17937 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=7) Angle Gaps:
#bins=100, #tiling points = 11135
Time Taken: 70.7621 sec (1.17937 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x


Pentomino(N:=1) Angle Gaps:
#bins=125, #tiling points = 6
Time Taken: 4.35044 sec (0.0725074 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=1) Angle Gaps:
#bins=125, #tiling points = 6
Time Taken: 4.35044 sec (0.0725074 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

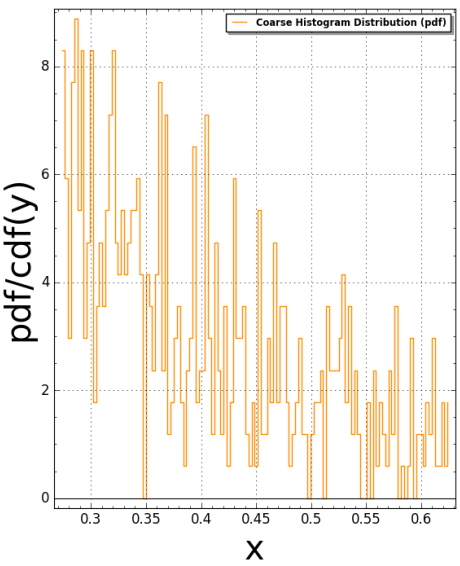

Pentomino(N:=2) Angle Gaps:
#bins=125, #tiling points = 15
Time Taken: 4.61999 sec (0.0769999 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=2) Angle Gaps:
#bins=125, #tiling points = 15
Time Taken: 4.61999 sec (0.0769999 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x


Pentomino(N:=3) Angle Gaps:
#bins=125, #tiling points = 49
Time Taken: 4.47673 sec (0.0746122 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=3) Angle Gaps:
#bins=125, #tiling points = 49
Time Taken: 4.47673 sec (0.0746122 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

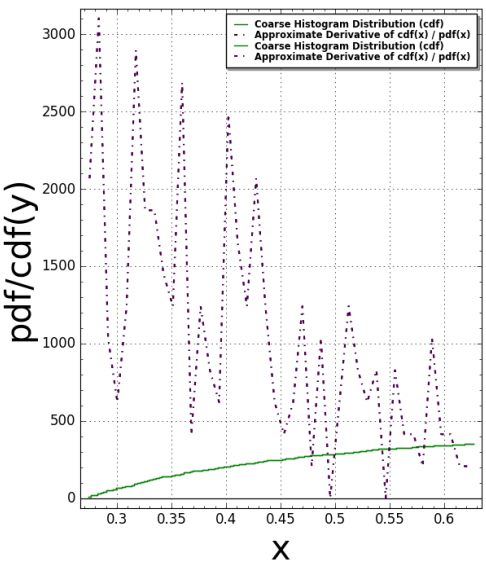

Pentomino(N:=4) Angle Gaps:
#bins=125, #tiling points = 183
Time Taken: 5.24062 sec (0.0873436 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=4) Angle Gaps:
#bins=125, #tiling points = 183
Time Taken: 5.24062 sec (0.0873436 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x


Pentomino(N:=5) Angle Gaps:
#bins=125, #tiling points = 710
Time Taken: 8.15055 sec (0.135843 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=5) Angle Gaps:
#bins=125, #tiling points = 710
Time Taken: 8.15055 sec (0.135843 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

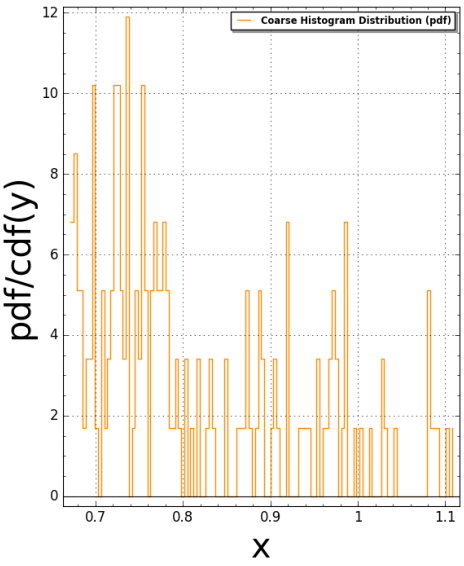
Pentomino(N:=6) Angle Gaps:
#bins=125, #tiling points = 2802
Time Taken: 20.5601 sec (0.342668 mins)



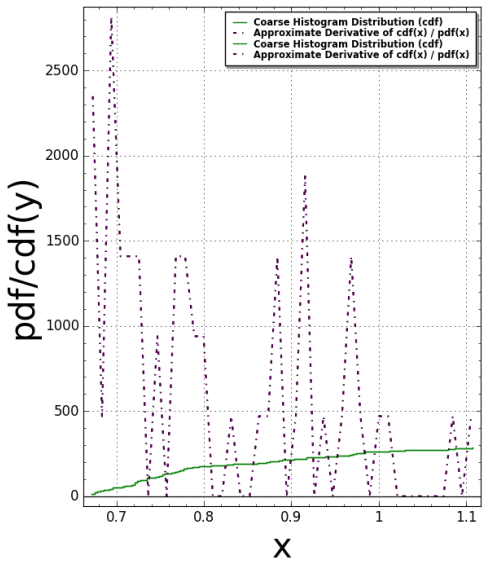
Pentomino(N:=6) Angle Gaps:
#bins=125, #tiling points = 2802
Time Taken: 20.5601 sec (0.342668 mins)



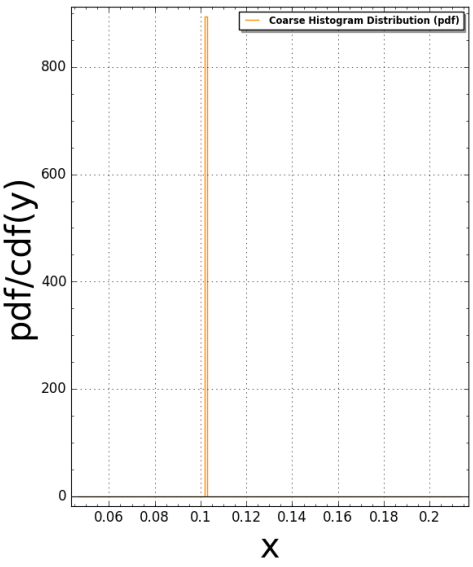
Pentomino(N:=7) Angle Gaps:
#bins=125, #tiling points = 11135
Time Taken: 71.289 sec (1.18815 mins)



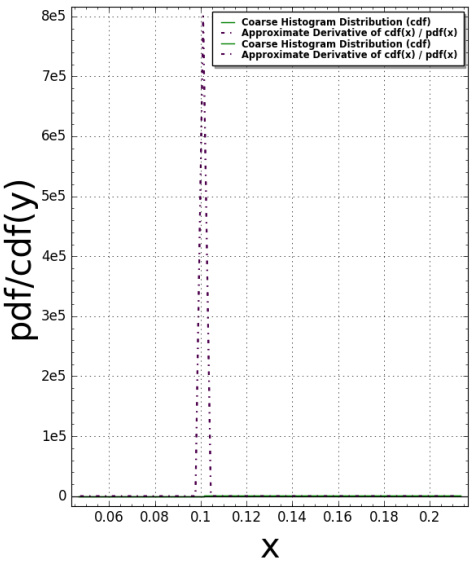
Pentomino(N:=7) Angle Gaps:
#bins=125, #tiling points = 11135
Time Taken: 71.289 sec (1.18815 mins)

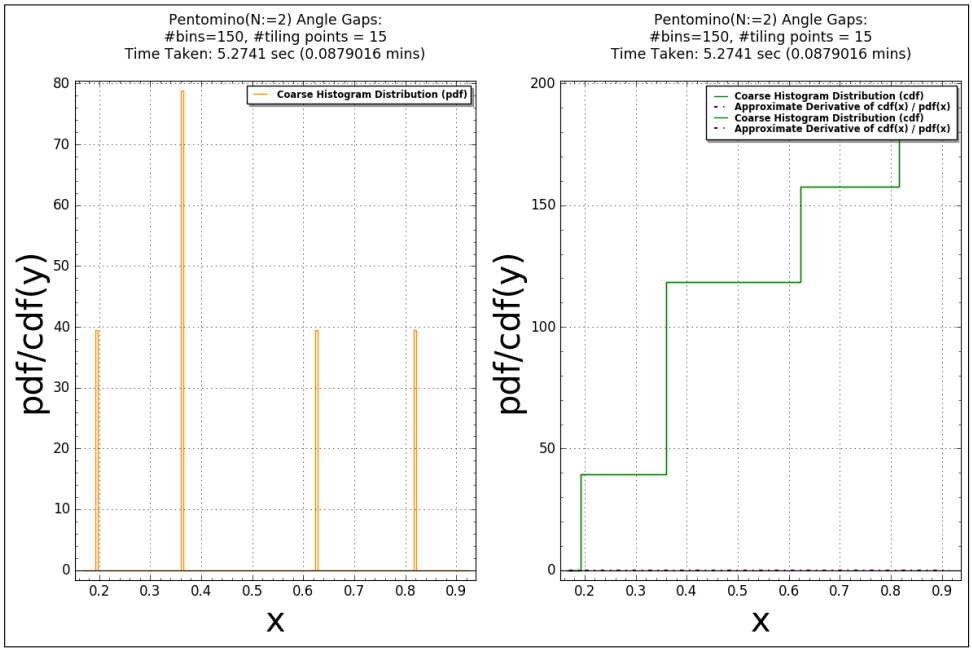


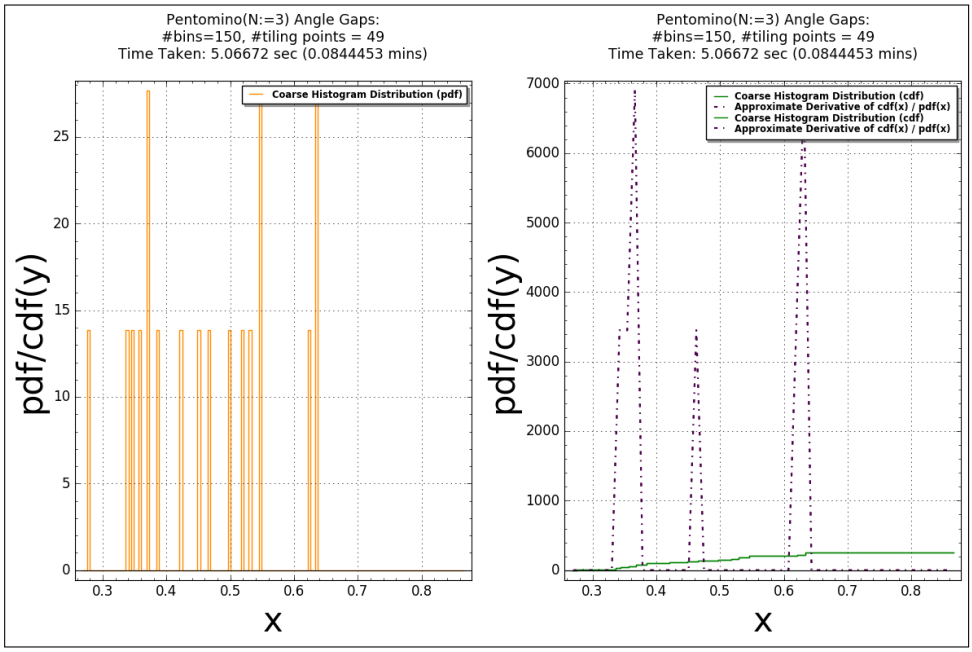
Pentomino(N:=1) Angle Gaps:
#bins=150, #tiling points = 6
Time Taken: 5.03235 sec (0.0838726 mins)

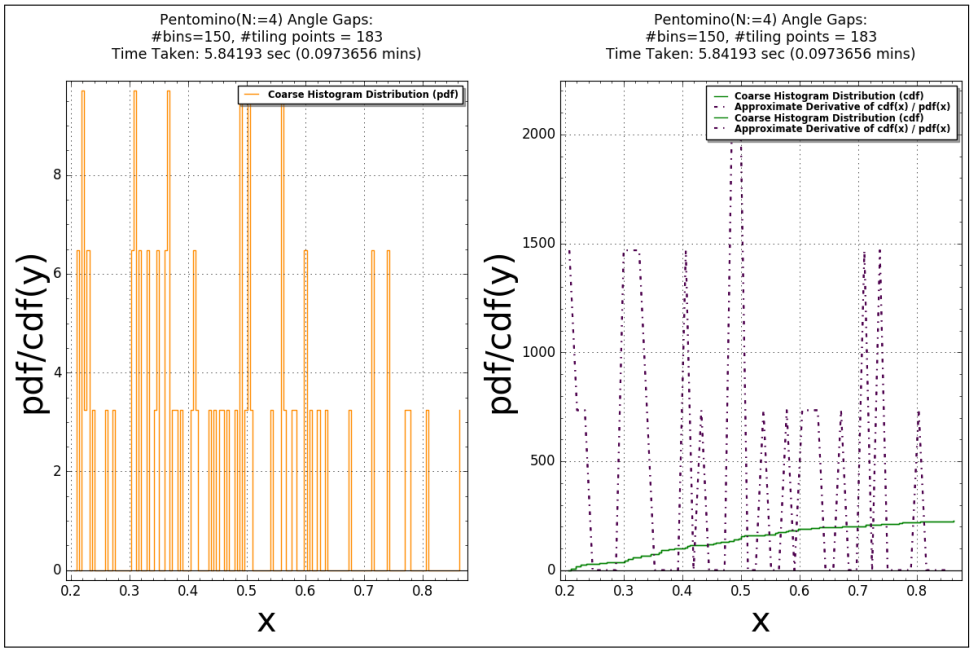


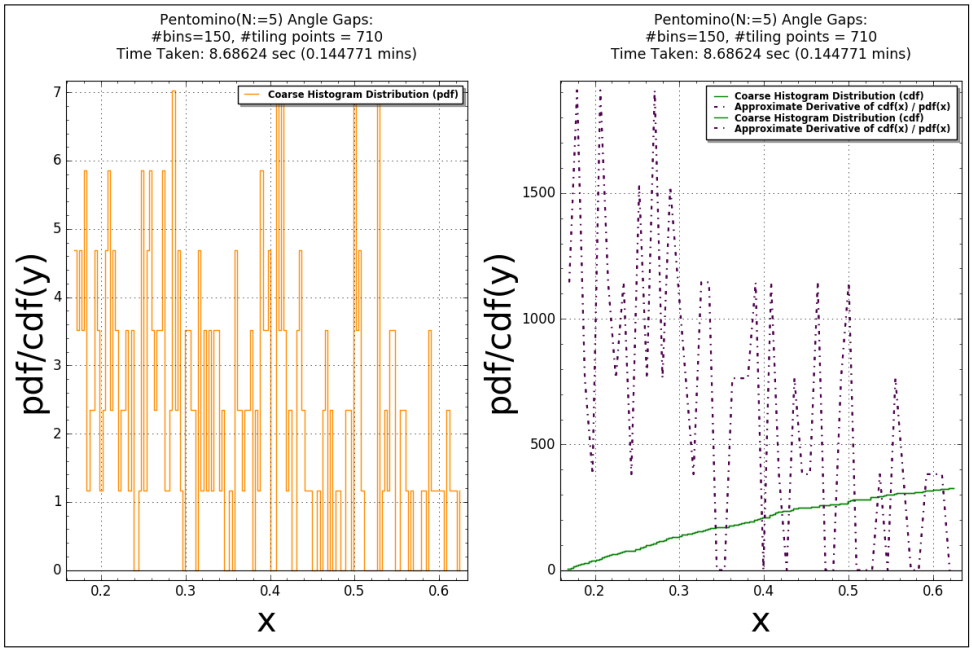
Pentomino(N:=1) Angle Gaps:
#bins=150, #tiling points = 6
Time Taken: 5.03235 sec (0.0838726 mins)

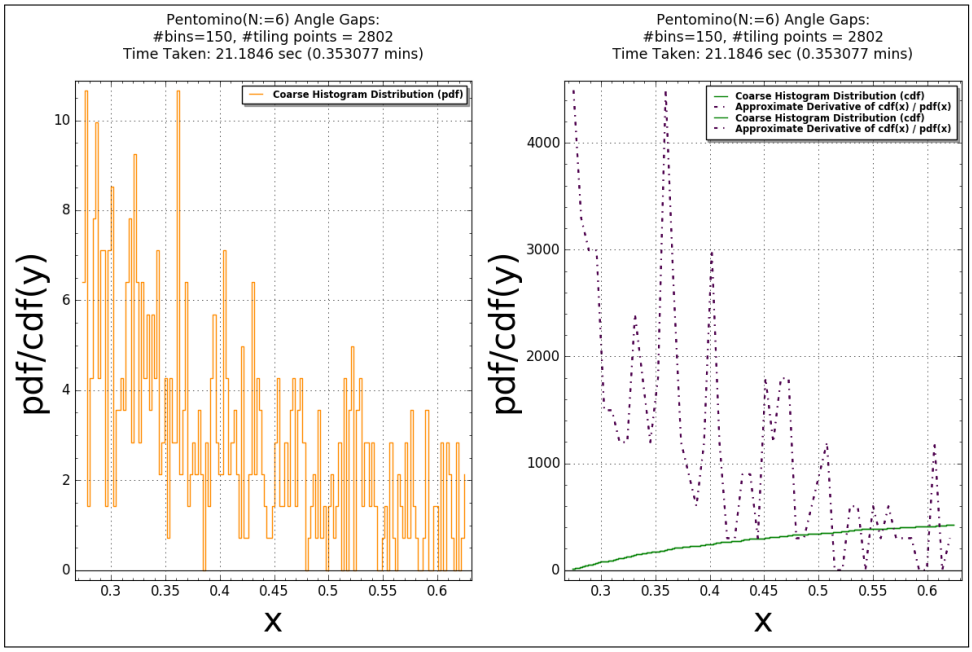


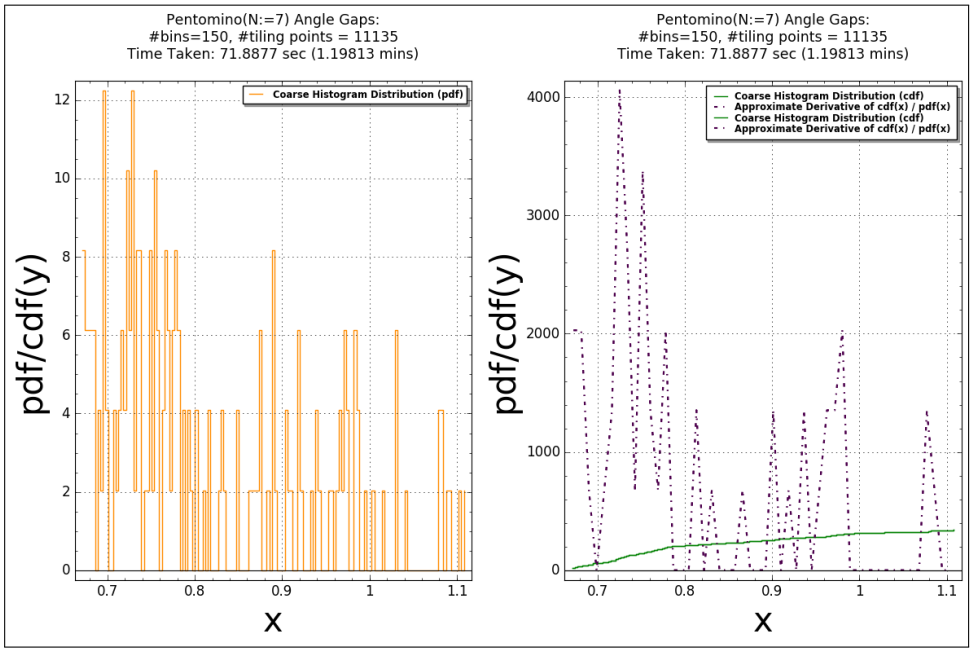

Pentomino(N:=2) Angle Gaps:
#bins=150, #tiling points = 15
Time Taken: 5.2741 sec (0.0879016 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=2) Angle Gaps:
#bins=150, #tiling points = 15
Time Taken: 5.2741 sec (0.0879016 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x


Pentomino(N:=3) Angle Gaps:
#bins=150, #tiling points = 49
Time Taken: 5.06672 sec (0.0844453 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=3) Angle Gaps:
#bins=150, #tiling points = 49
Time Taken: 5.06672 sec (0.0844453 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

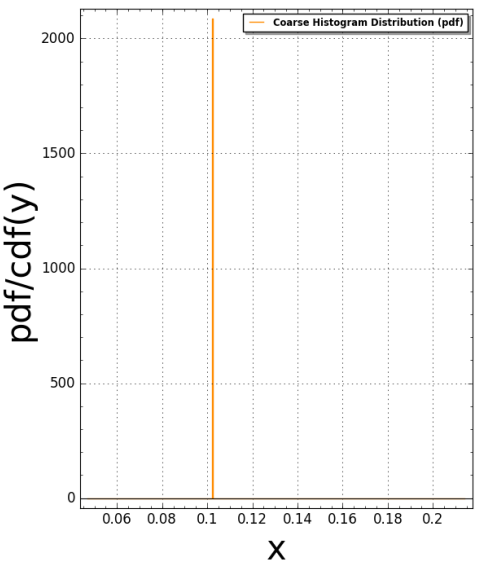

Pentomino(N:=4) Angle Gaps:
#bins=150, #tiling points = 183
Time Taken: 5.84193 sec (0.0973656 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=4) Angle Gaps:
#bins=150, #tiling points = 183
Time Taken: 5.84193 sec (0.0973656 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x


Pentomino(N:=5) Angle Gaps:
#bins=150, #tiling points = 710
Time Taken: 8.68624 sec (0.144771 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=5) Angle Gaps:
#bins=150, #tiling points = 710
Time Taken: 8.68624 sec (0.144771 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

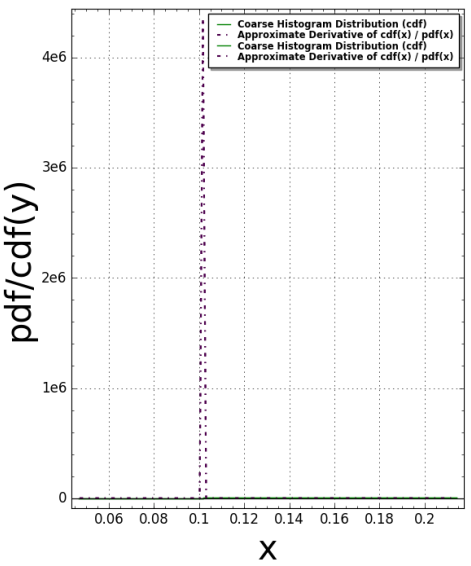

Pentomino(N:=6) Angle Gaps:
#bins=150, #tiling points = 2802
Time Taken: 21.1846 sec (0.353077 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=6) Angle Gaps:
#bins=150, #tiling points = 2802
Time Taken: 21.1846 sec (0.353077 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x


Pentomino(N:=7) Angle Gaps:
#bins=150, #tiling points = 11135
Time Taken: 71.8877 sec (1.19813 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=7) Angle Gaps:
#bins=150, #tiling points = 11135
Time Taken: 71.8877 sec (1.19813 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x

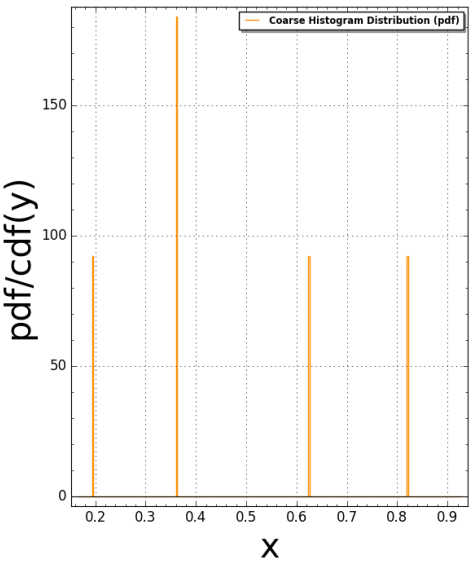
Pentomino(N:=1) Angle Gaps:
#bins=350, #tiling points = 6
Time Taken: 7.03857 sec (0.11731 mins)



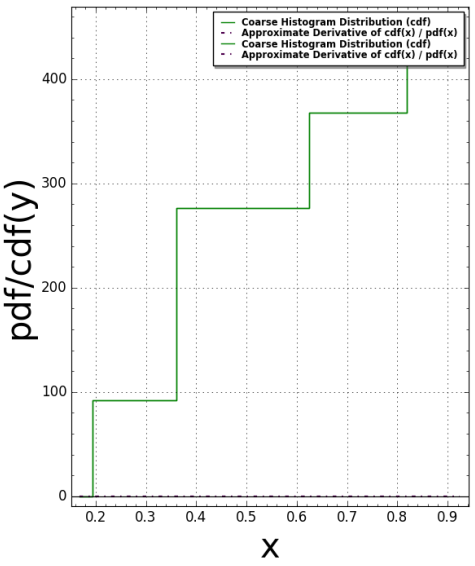
Pentomino(N:=1) Angle Gaps:
#bins=350, #tiling points = 6
Time Taken: 7.03857 sec (0.11731 mins)



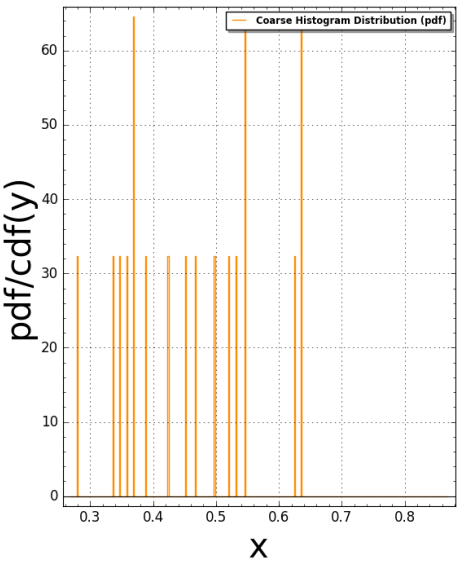
Pentomino(N:=2) Angle Gaps:
#bins=350, #tiling points = 15
Time Taken: 7.32471 sec (0.122079 mins)



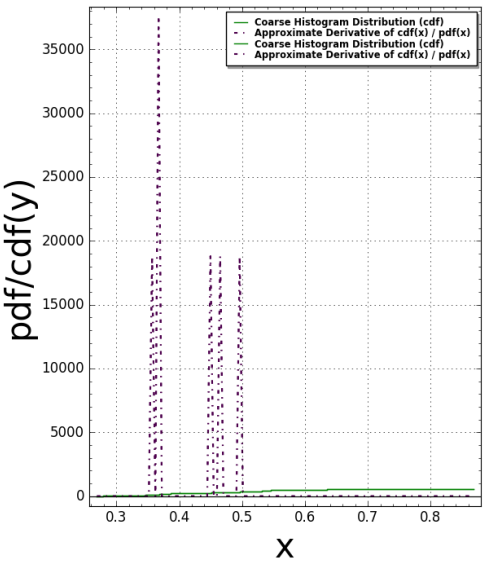
Pentomino(N:=2) Angle Gaps:
#bins=350, #tiling points = 15
Time Taken: 7.32471 sec (0.122079 mins)

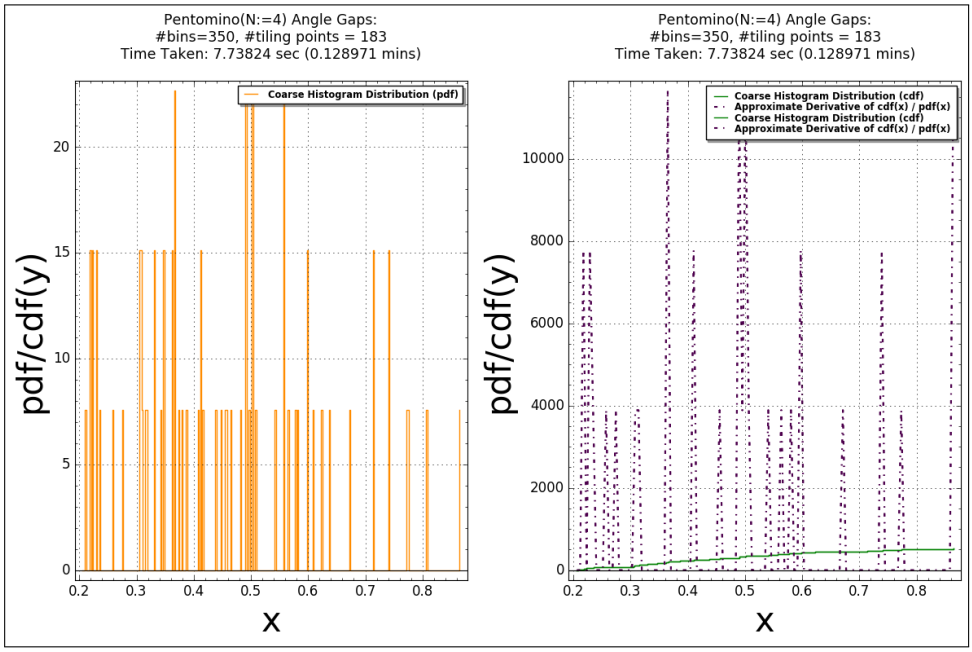


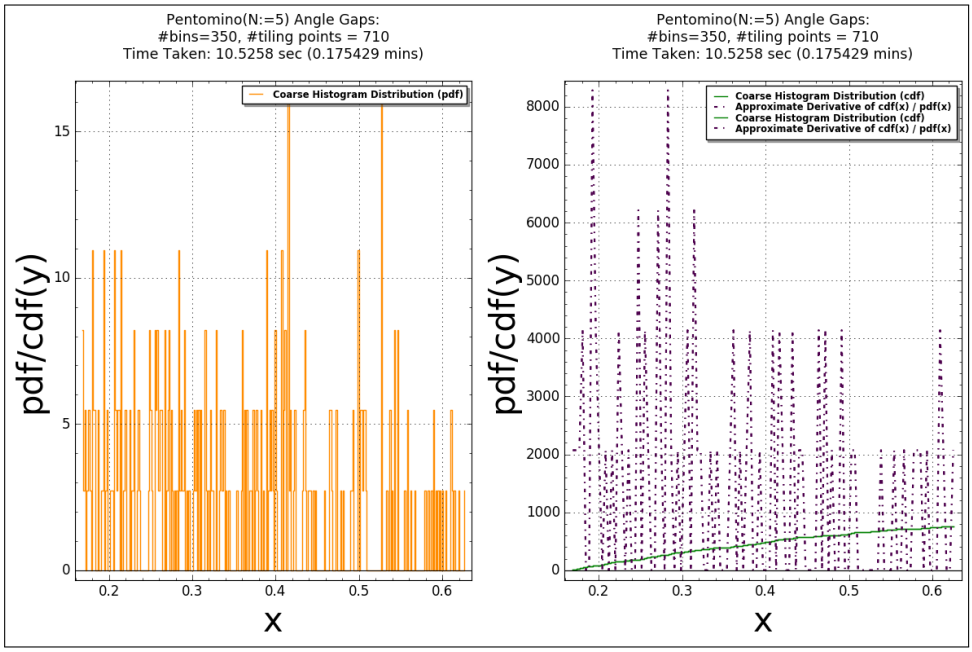
Pentomino(N:=3) Angle Gaps:
#bins=350, #tiling points = 49
Time Taken: 7.02556 sec (0.117093 mins)

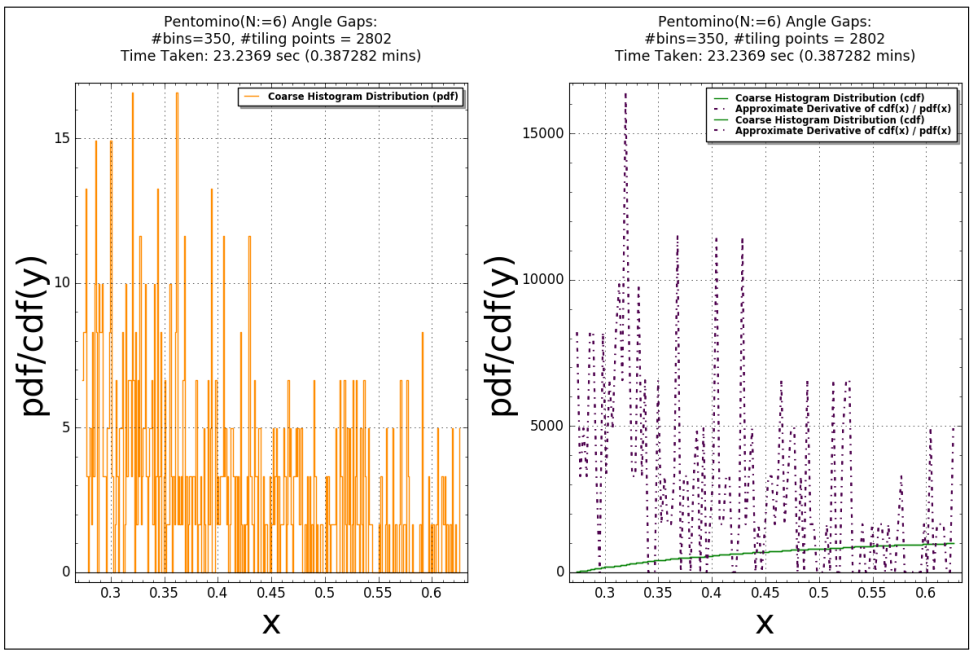


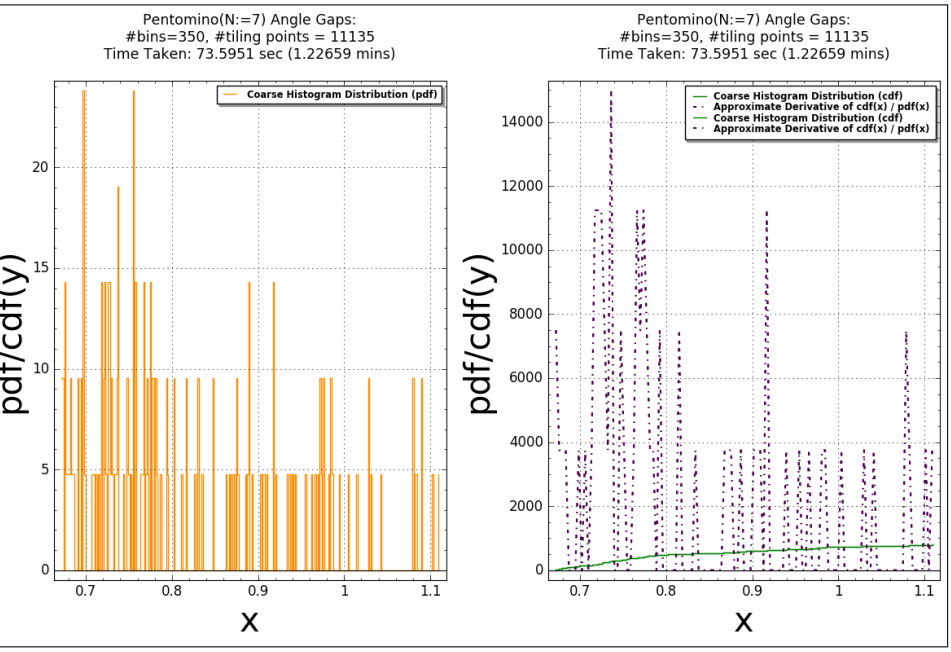
Pentomino(N:=3) Angle Gaps:
#bins=350, #tiling points = 49
Time Taken: 7.02556 sec (0.117093 mins)




Pentomino(N:=4) Angle Gaps:
#bins=350, #tiling points = 183
Time Taken: 7.73824 sec (0.128971 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=4) Angle Gaps:
#bins=350, #tiling points = 183
Time Taken: 7.73824 sec (0.128971 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x


Pentomino(N:=5) Angle Gaps:
#bins=350, #tiling points = 710
Time Taken: 10.5258 sec (0.175429 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=5) Angle Gaps:
#bins=350, #tiling points = 710
Time Taken: 10.5258 sec (0.175429 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x


Pentomino(N:=6) Angle Gaps:
#bins=350, #tiling points = 2802
Time Taken: 23.2369 sec (0.387282 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
Pentomino(N:=6) Angle Gaps:
#bins=350, #tiling points = 2802
Time Taken: 23.2369 sec (0.387282 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x


Pentomino(N:=7) Angle Gaps:
#bins=350, #tiling points = 11135
Time Taken: 73.5951 sec (1.22659 mins)
Coarse Histogram Distribution (pdf)
pdf/cdf(y)
x
0
5
10
15
20
0.7
0.8
0.9
1
1.1
Pentomino(N:=7) Angle Gaps:
#bins=350, #tiling points = 11135
Time Taken: 73.5951 sec (1.22659 mins)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
Coarse Histogram Distribution (cdf)
Approximate Derivative of cdf(x) / pdf(x)
pdf/cdf(y)
x
0
2000
4000
6000
8000
10000
12000
14000
0.7
0.8
0.9
1
1.1