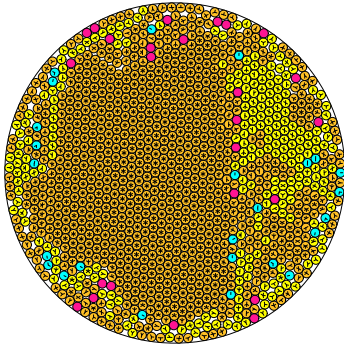


N = 1189

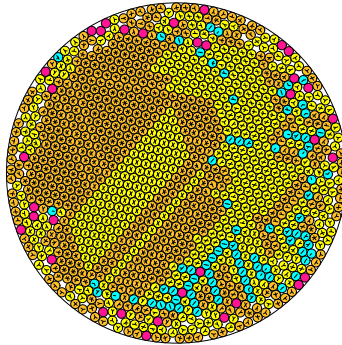
1189 circles in a circle



radius = 0.027035055979 density = 0.869033265380
 ratio = 36.989011628989 contacts = 2810

N = 1190

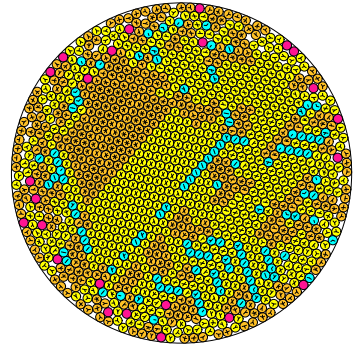
1190 circles in a circle



radius = 0.027044138510 density = 0.870361532100
 ratio = 36.976315749683 contacts = 2408

N = 1191

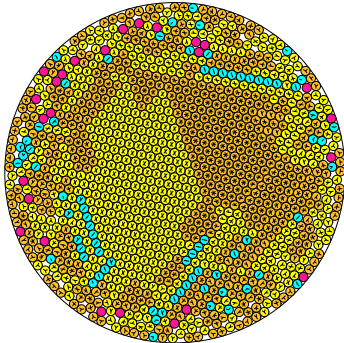
1191 circles in a circle



radius = 0.027035421455 density = 0.8705185889749
 ratio = 36.988511596999 contacts = 2260

N = 1192

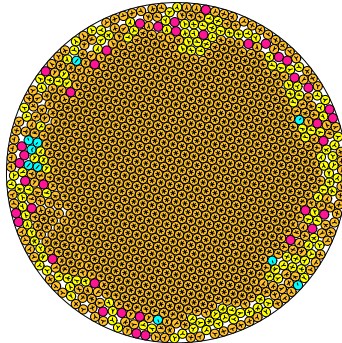
1192 circles in a circle



radius = 0.0270220203975 density = 0.8703868616440
 ratio = 37.006836750716 contacts = 2392

N = 1193

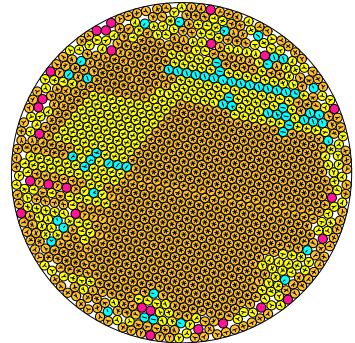
1193 circles in a circle



radius = 0.027016520238 density = 0.870761592341
 ratio = 37.014389388551 contacts = 3001

N = 1194

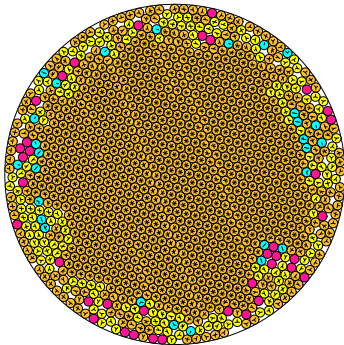
1194 circles in a circle



radius = 0.026998463839 density = 0.870391430799
 ratio = 37.03772526861 contacts = 2699

N = 1195

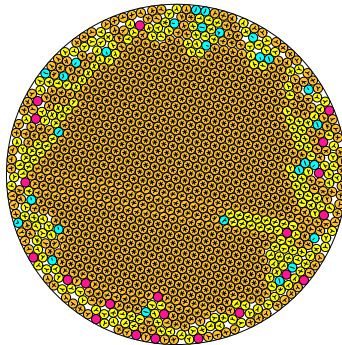
1195 circles in a circle



radius = 0.026988865740 density = 0.870443104697
 ratio = 37.052179384524 contacts = 2882

N = 1196

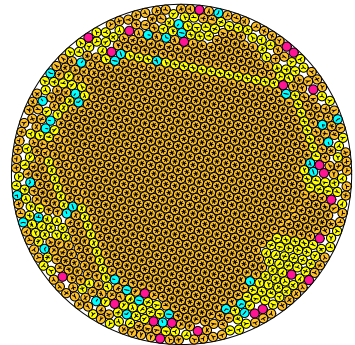
1196 circles in a circle



radius = 0.026980626784 density = 0.870633249091
 ratio = 37.063631175517 contacts = 2916

N = 1197

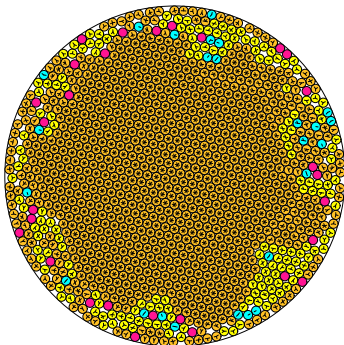
1197 circles in a circle



radius = 0.026977821273 density = 0.871180000231
 ratio = 37.067485542589 contacts = 2915

N = 1198

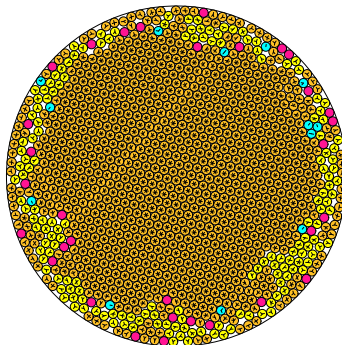
1198 circles in a circle



radius = 0.026965782789 density = 0.871129822850
 ratio = 37.084613784953 contacts = 2992

N = 1199

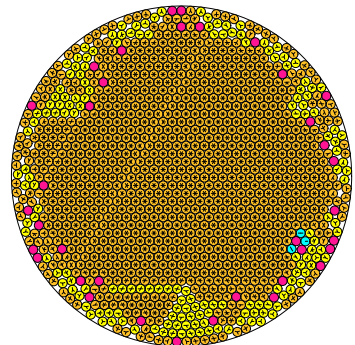
1199 circles in a circle



radius = 0.026957009886 density = 0.871289777984
 ratio = 37.096304313855 contacts = 3021

N = 1200

1200 circles in a circle



radius = 0.026945345604 density = 0.871261979685
 ratio = 37.112160841562 contacts = 3003