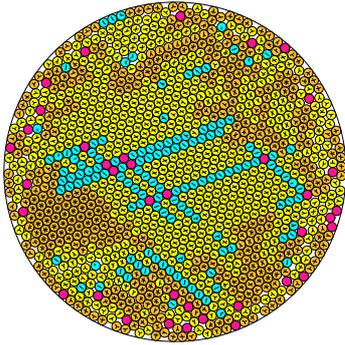


N = 1153

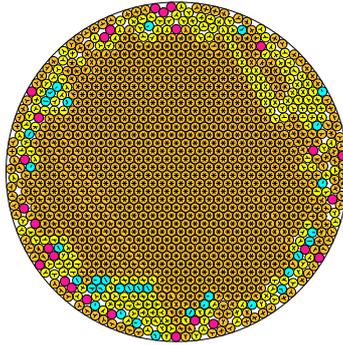
1153 circles in a circle



radius = 0.027451409327 density = 0.868877594762  
ratio = 36.42800223511 contacts = 2121

N = 1154

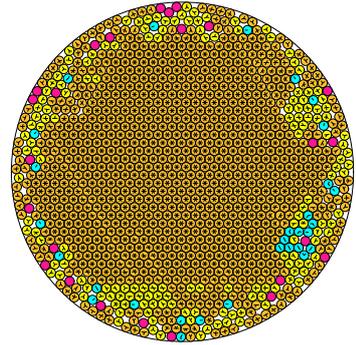
1154 circles in a circle



radius = 0.027448960155 density = 0.869476007268  
ratio = 36.431252563377 contacts = 2799

N = 1155

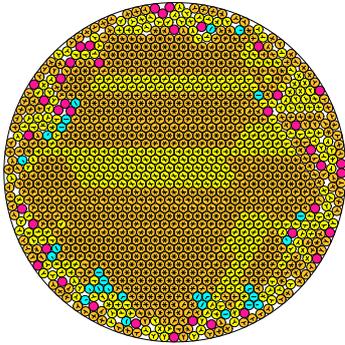
1155 circles in a circle



radius = 0.027422687325 density = 0.868564366045  
ratio = 36.466156221233 contacts = 2834

N = 1156

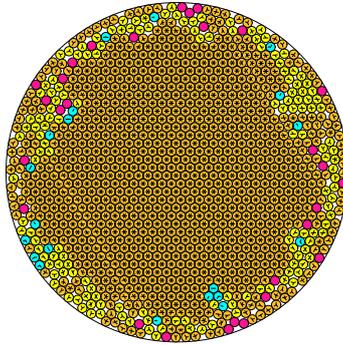
1156 circles in a circle



radius = 0.027419783449 density = 0.869132270197  
ratio = 36.470018147983 contacts = 2523

N = 1157

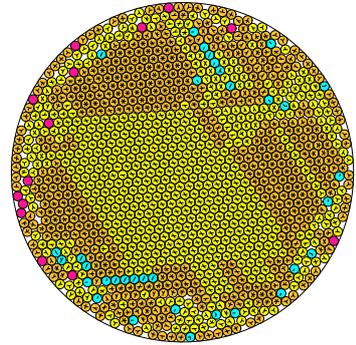
1157 circles in a circle



radius = 0.027402889427 density = 0.86881261533  
ratio = 36.492528735395 contacts = 2901

N = 1158

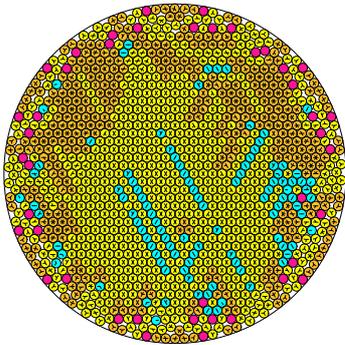
1158 circles in a circle



radius = 0.027388967805 density = 0.868680135472  
ratio = 36.511050987162 contacts = 2390

N = 1159

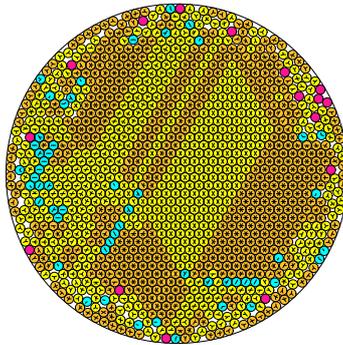
1159 circles in a circle



radius = 0.027409944746 density = 0.870762577250  
ratio = 36.483108932730 contacts = 2165

N = 1160

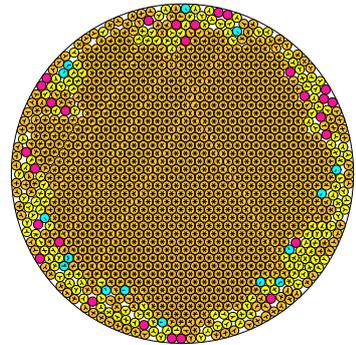
1160 circles in a circle



radius = 0.027366289770 density = 0.868740026293  
ratio = 36.541307148630 contacts = 2436

N = 1161

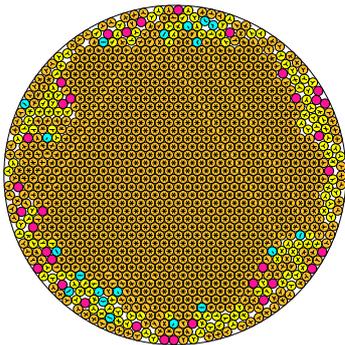
1161 circles in a circle



radius = 0.027359282409 density = 0.869043717726  
ratio = 36.550666243189 contacts = 2861

N = 1162

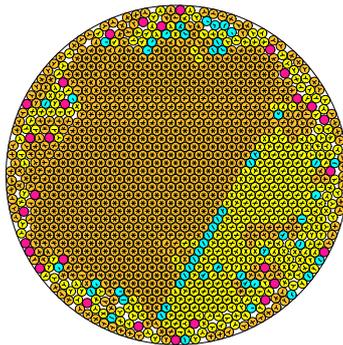
1162 circles in a circle



radius = 0.027353278728 density = 0.869410558012  
ratio = 36.558688629451 contacts = 2857

N = 1163

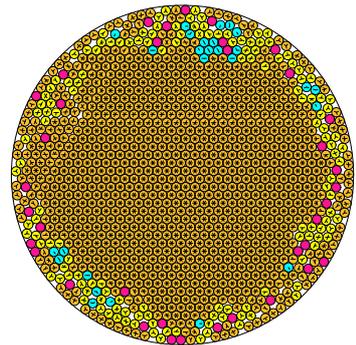
1163 circles in a circle



radius = 0.027345908340 density = 0.869689891526  
ratio = 36.568542085412 contacts = 2632

N = 1164

1164 circles in a circle



radius = 0.027334387950 density = 0.869704442014  
ratio = 36.583950134927 contacts = 2868