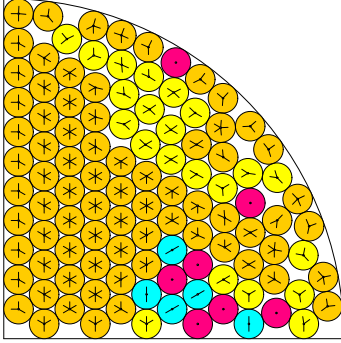


N = 109

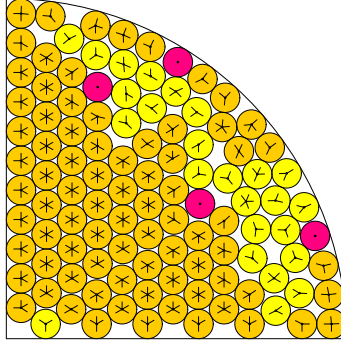
109 circles in a circular quadrant



radius = 0.043437766544 density = 0.822662049195  
 ratio = 23.021441467891 contacts = 227

N = 110

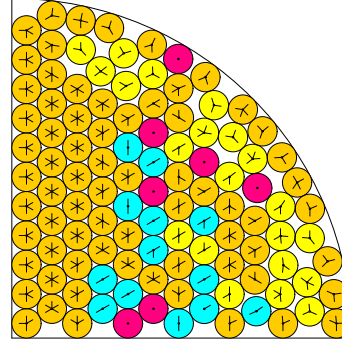
110 circles in a circular quadrant



radius = 0.0432531319427 density = 0.823173842250  
 ratio = 23.119612858422 contacts = 251

N = 111

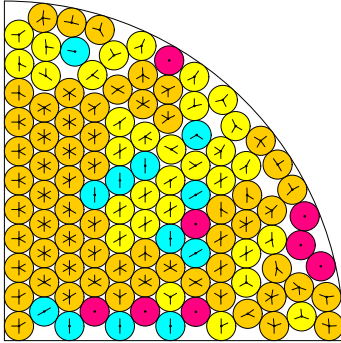
111 circles in a circular quadrant



radius = 0.043146290245 density = 0.826551448682  
 ratio = 23.176963635205 contacts = 220

N = 112

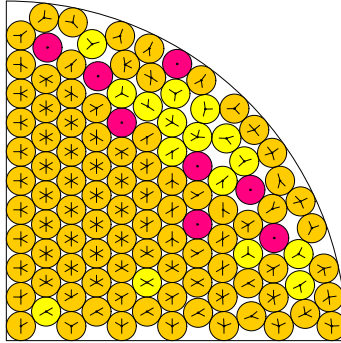
112 circles in a circular quadrant



radius = 0.0429005991892 density = 0.824526431521  
 ratio = 23.109701700929 contacts = 215

N = 113

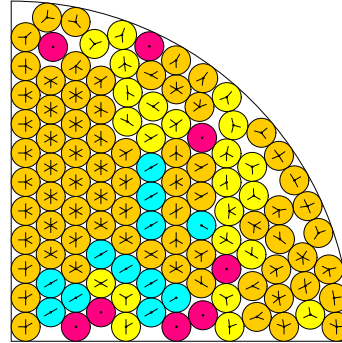
113 circles in a circular quadrant



radius = 0.042796186715 density = 0.827844166003  
 ratio = 23.146567836005 contacts = 237

N = 114

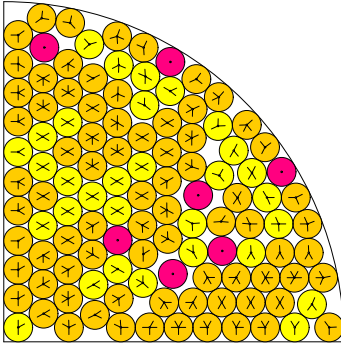
114 circles in a circular quadrant



radius = 0.042568121130 density = 0.826292491057  
 ratio = 23.451757997654 contacts = 220

N = 115

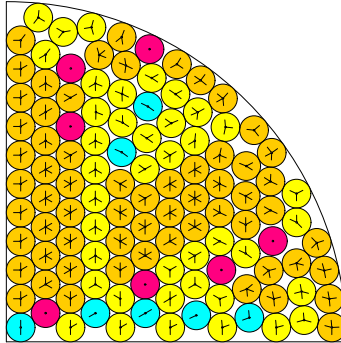
115 circles in a circular quadrant



radius = 0.042379410848 density = 0.826166653245  
 ratio = 23.596363896036 contacts = 223

N = 116

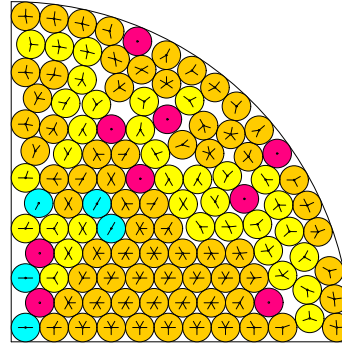
116 circles in a circular quadrant



radius = 0.042207300577 density = 0.826297545911  
 ratio = 23.692583660482 contacts = 217

N = 117

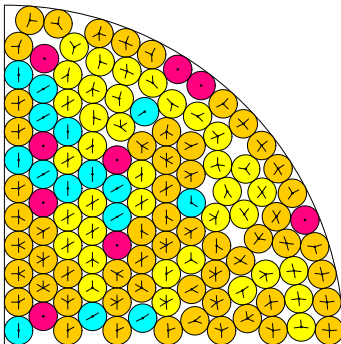
117 circles in a circular quadrant



radius = 0.041990908155 density = 0.825164547047  
 ratio = 23.810035070552 contacts = 222

N = 118

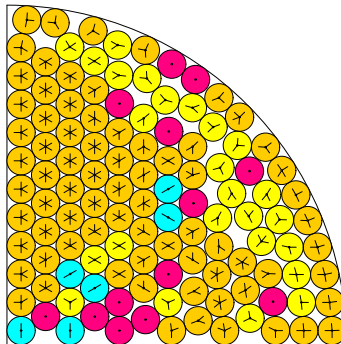
118 circles in a circular quadrant



radius = 0.041827105448 density = 0.825767186055  
 ratio = 23.907941735412 contacts = 205

N = 119

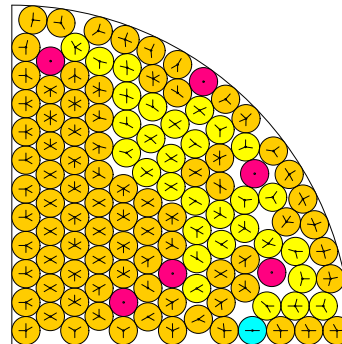
119 circles in a circular quadrant



radius = 0.041664363839 density = 0.826297545911  
 ratio = 24.001328501111 contacts = 229

N = 120

120 circles in a circular quadrant



radius = 0.041528702891 density = 0.827823918623  
 ratio = 24.079731135057 contacts = 240