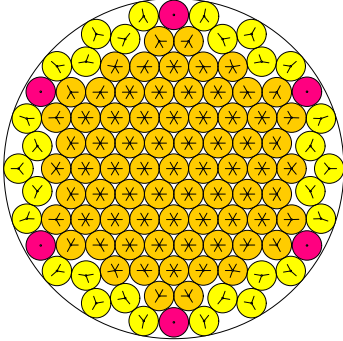


N = 109

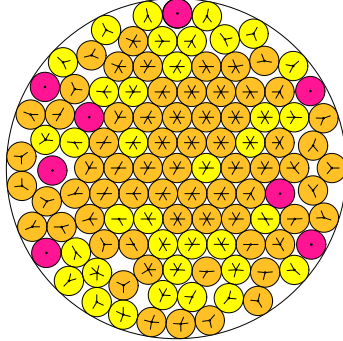
109 circles in a circle



radius = 0.086489335895 density = 0.815364169374  
 ratio = 11.562119071074 contacts = 252

N = 110

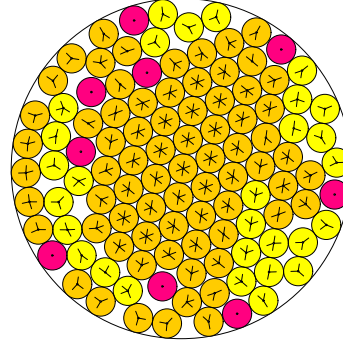
110 circles in a circle



radius = 0.086081769648 density = 0.815107817222  
 ratio = 11.616861550295 contacts = 221

N = 111

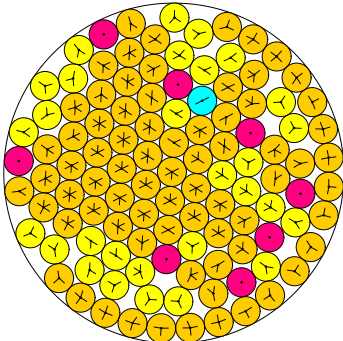
111 circles in a circle



radius = 0.085742621070 density = 0.816049474538  
 ratio = 11.66281184493 contacts = 220

N = 112

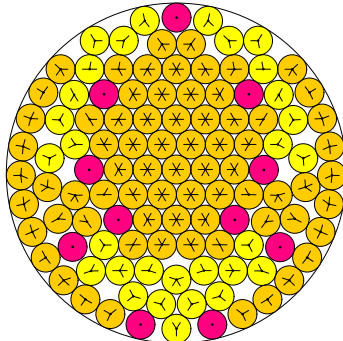
112 circles in a circle



radius = 0.085431571702 density = 0.817437985675  
 ratio = 11.705274526430 contacts = 215

N = 113

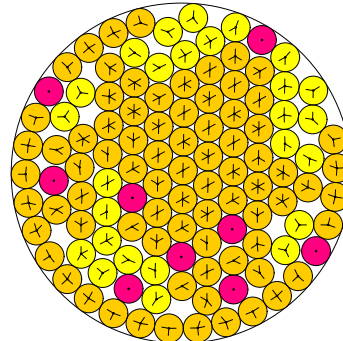
113 circles in a circle



radius = 0.085124290793 density = 0.818814371785  
 ratio = 11.747528122460 contacts = 226

N = 114

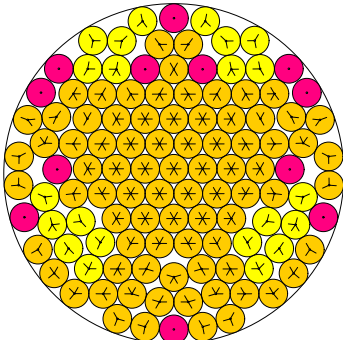
114 circles in a circle



radius = 0.084780441045 density = 0.819400442944  
 ratio = 11.795173364930 contacts = 215

N = 115

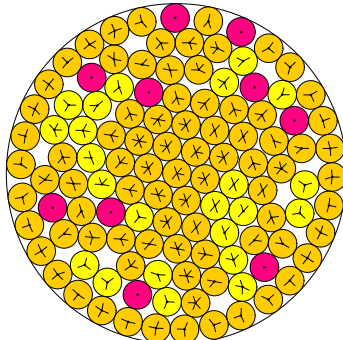
115 circles in a circle



radius = 0.084463211728 density = 0.820413925573  
 ratio = 11.839474009347 contacts = 226

N = 116

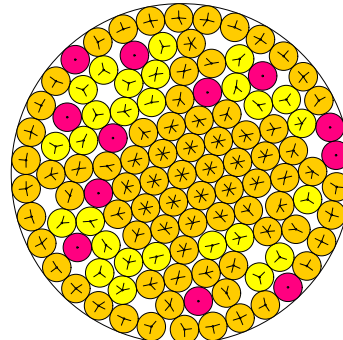
116 circles in a circle



radius = 0.084056891551 density = 0.819605077959  
 ratio = 11.896704503333 contacts = 215

N = 117

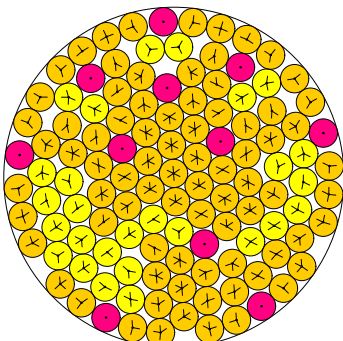
117 circles in a circle



radius = 0.083727722049 density = 0.820208778422  
 ratio = 11.943475536278 contacts = 221

N = 118

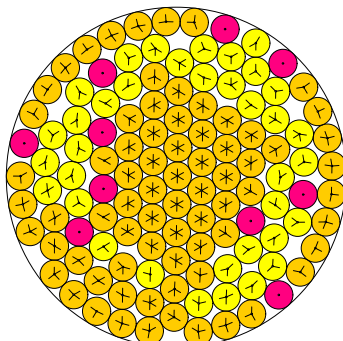
118 circles in a circle



radius = 0.083433794252 density = 0.821421366756  
 ratio = 11.985551046315 contacts = 217

N = 119

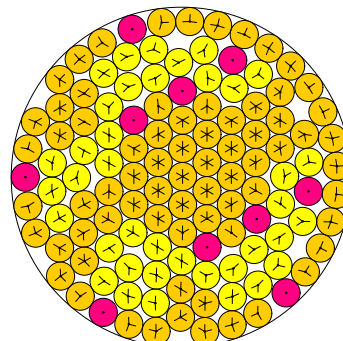
119 circles in a circle



radius = 0.083040377649 density = 0.820588814099  
 ratio = 12.042334443872 contacts = 233

N = 120

120 circles in a circle



radius = 0.082745752573 density = 0.821623148262  
 ratio = 12.085212459928 contacts = 231