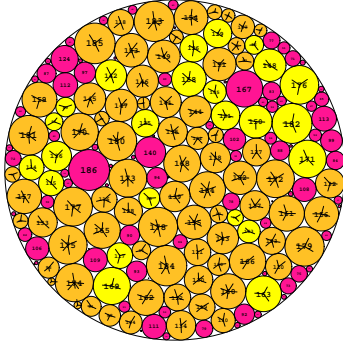


N = 186

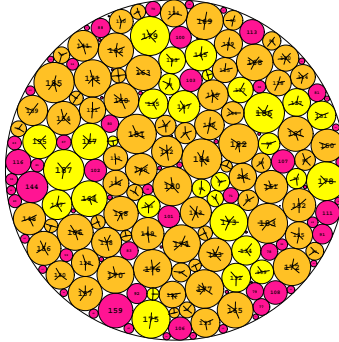
186 circles in a circle



radius = 0.119937387749 density = 0.899073951012
 ratio = 1550.809163776649 contacts = 198

N = 187

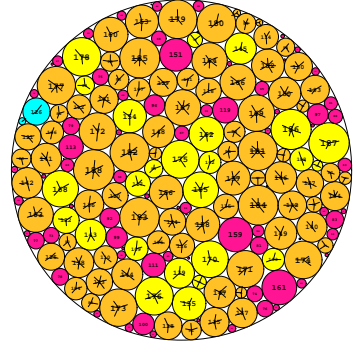
187 circles in a circle



radius = 0.119639537227 density = 0.899385142773
 ratio = 1563.028446396752 contacts = 214

N = 188

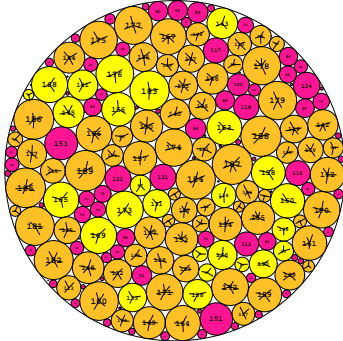
188 circles in a circle



radius = 0.119304315356 density = 0.899096610380
 ratio = 1575.802178150492 contacts = 218

N = 189

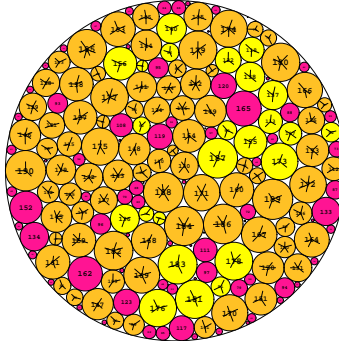
189 circles in a circle



radius = 0.118991646023 density = 0.89910949481
 ratio = 1588.34687546088 contacts = 202

N = 190

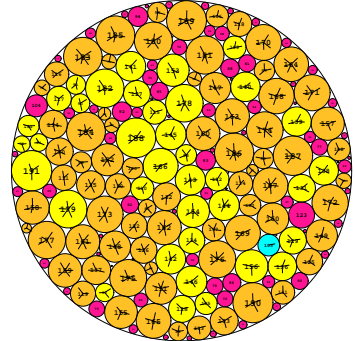
190 circles in a circle



radius = 0.118700300162 density = 0.899408786436
 ratio = 1600.669920307528 contacts = 214

N = 191

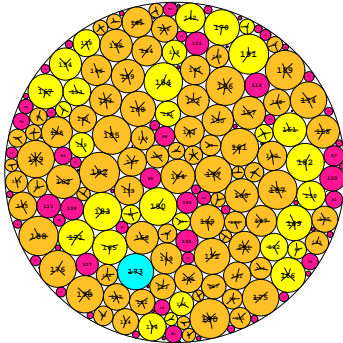
191 circles in a circle



radius = 0.118391871743 density = 0.899412995667
 ratio = 1613.286429114384 contacts = 221

N = 192

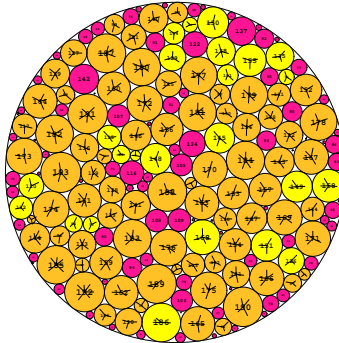
192 circles in a circle



radius = 0.118068399898 density = 0.899151585833
 ratio = 1626.176014633709 contacts = 230

N = 193

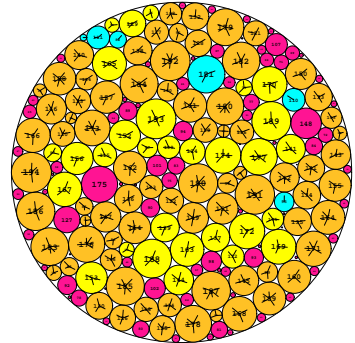
193 circles in a circle



radius = 0.117756301627 density = 0.899026410710
 ratio = 1638.978104211464 contacts = 208

N = 194

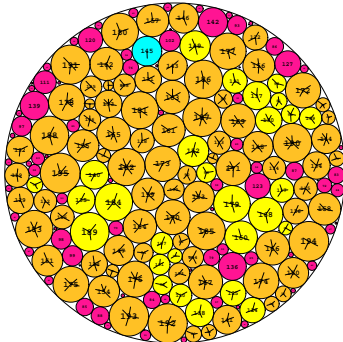
194 circles in a circle



radius = 0.117491404843 density = 0.899587528119
 ratio = 1651.184614391142 contacts = 217

N = 195

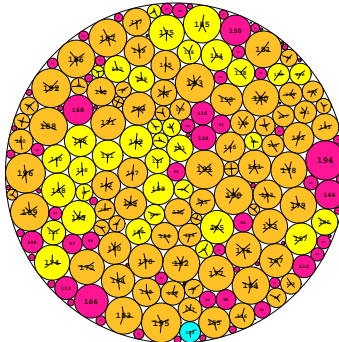
195 circles in a circle



radius = 0.117221906666 density = 0.900045633278
 ratio = 1663.51587096371 contacts = 223

N = 196

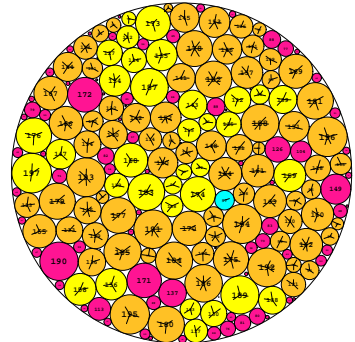
196 circles in a circle



radius = 0.116886629337 density = 0.899458488851
 ratio = 1676.938498215233 contacts = 205

N = 197

197 circles in a circle



radius = 0.116642480098 density = 0.900239987365
 ratio = 1688.921564716639 contacts = 227