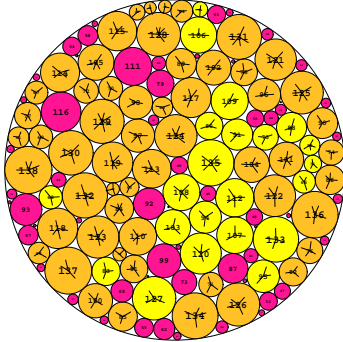


N = 138

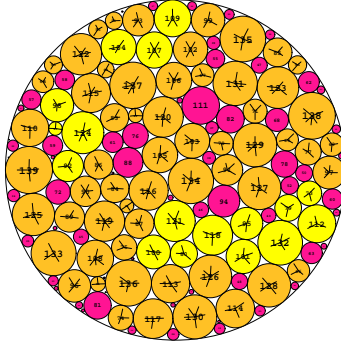
138 circles in a circle



radius = 0.138750642787 density = 0.895229201529
 ratio = 994.589986957019 contacts = 156

N = 139

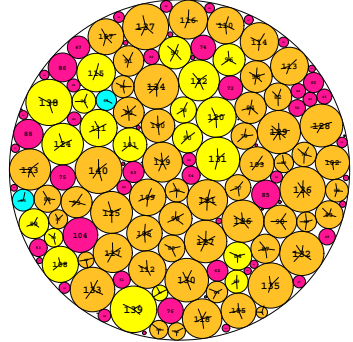
139 circles in a circle



radius = 0.138290013065 density = 0.895669578520
 ratio = 1005.134043447386 contacts = 152

N = 140

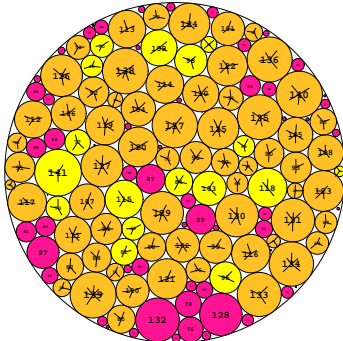
140 circles in a circle



radius = 0.137762197050 density = 0.895171541848
 ratio = 1016.243955145740 contacts = 155

N = 141

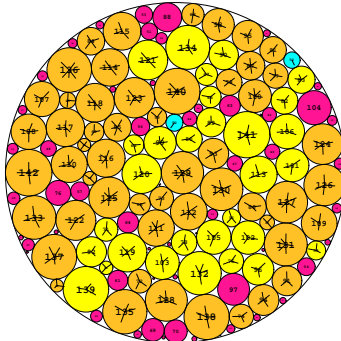
141 circles in a circle



radius = 0.137291384811 density = 0.895346178137
 ratio = 1027.012793529786 contacts = 164

N = 142

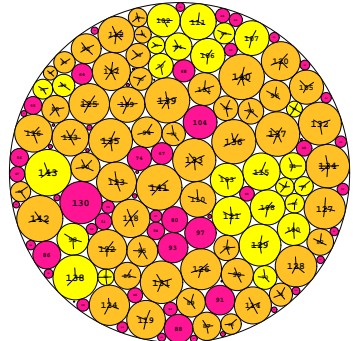
142 circles in a circle



radius = 0.136797474715 density = 0.895149108270
 ratio = 1038.03343490689 contacts = 168

N = 143

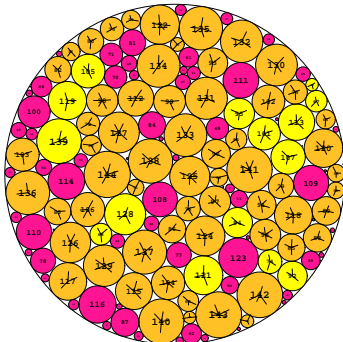
143 circles in a circle



radius = 0.136439103154 density = 0.895674486690
 ratio = 1048.086631512925 contacts = 160

N = 144

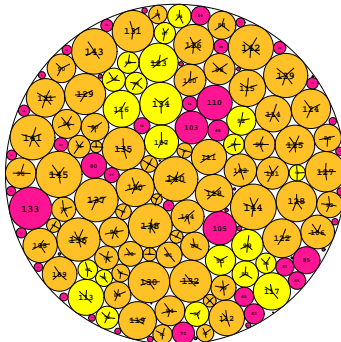
144 circles in a circle



radius = 0.135898981010 density = 0.895745228030
 ratio = 1059.610594061884 contacts = 152

N = 145

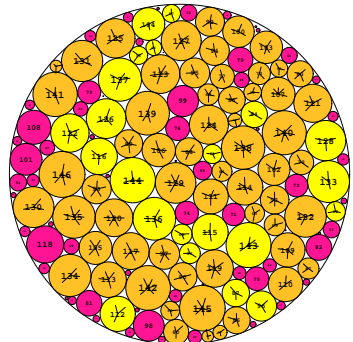
145 circles in a circle



radius = 0.135476035343 density = 0.896296188378
 ratio = 1070.299995364315 contacts = 180

N = 146

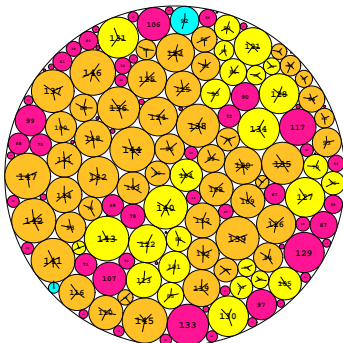
146 circles in a circle



radius = 0.134954038384 density = 0.895473254038
 ratio = 1081.849804189120 contacts = 164

N = 147

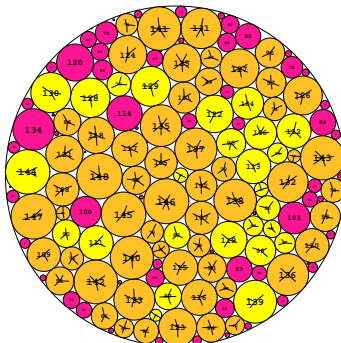
147 circles in a circle



radius = 0.134587673422 density = 0.89655708178
 ratio = 1092.224639482642 contacts = 157

N = 148

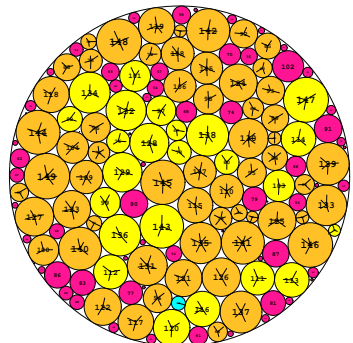
148 circles in a circle



radius = 0.134103401195 density = 0.896209075507
 ratio = 1103.623998156970 contacts = 186

N = 149

149 circles in a circle



radius = 0.133684695234 density = 0.896578477215
 ratio = 1114.562897989314 contacts = 167