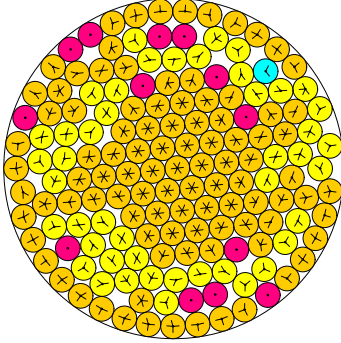


N = 157

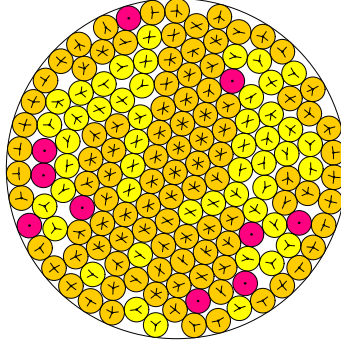
157 circles in a circle



radius = 0.072605865685 density = 0.827643041906
 ratio = 13.772991900361 contacts = 311

N = 158

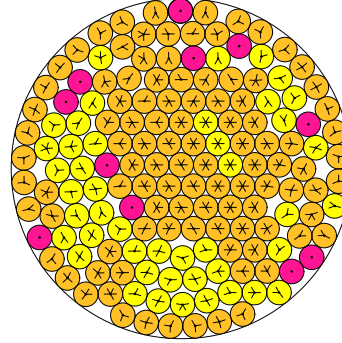
158 circles in a circle



radius = 0.072342013798 density = 0.826871979743
 ratio = 13.823225916656 contacts = 306

N = 159

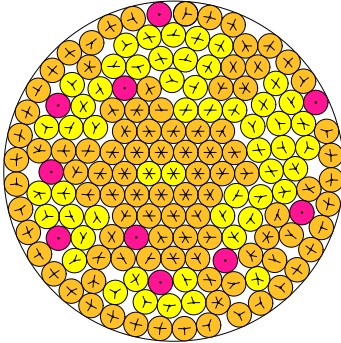
159 circles in a circle



radius = 0.072128248470 density = 0.827194992143
 ratio = 13.864193588724 contacts = 313

N = 160

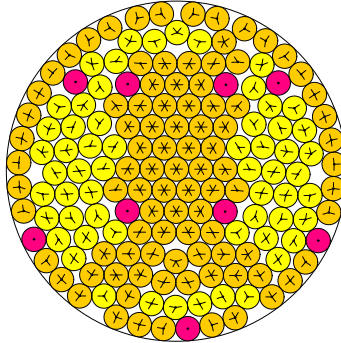
160 circles in a circle



radius = 0.071836300858 density = 0.825672659353
 ratio = 13.920398614273 contacts = 312

N = 161

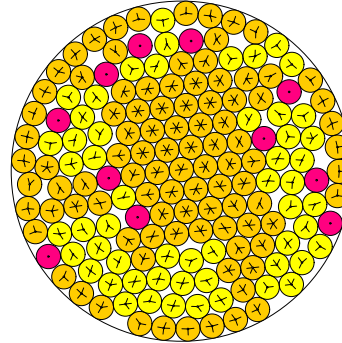
161 circles in a circle



radius = 0.071585034482 density = 0.825031163058
 ratio = 13.969402649622 contacts = 315

N = 162

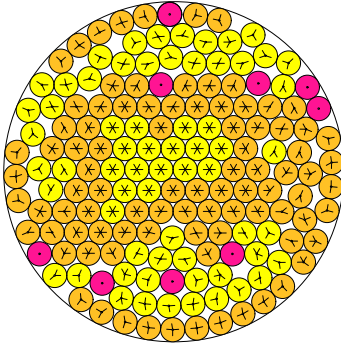
162 circles in a circle



radius = 0.071370819596 density = 0.825194610159
 ratio = 14.011328518488 contacts = 317

N = 163

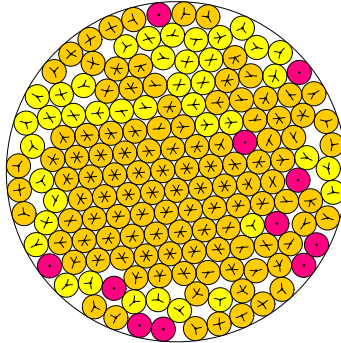
163 circles in a circle



radius = 0.071076123894 density = 0.824922737567
 ratio = 14.069620216004 contacts = 340

N = 164

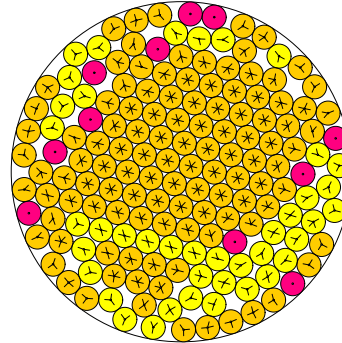
164 circles in a circle



radius = 0.070868206162 density = 0.823637613714
 ratio = 14.110700046733 contacts = 329

N = 165

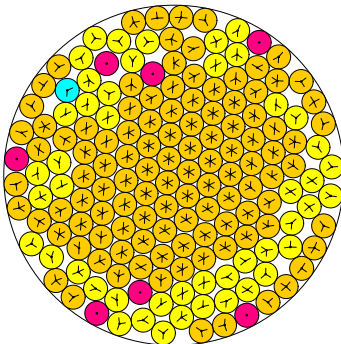
165 circles in a circle



radius = 0.070669661492 density = 0.824742952294
 ratio = 14.146339292344 contacts = 352

N = 166

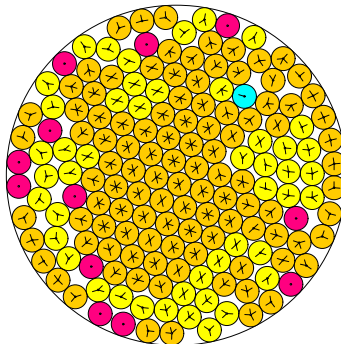
166 circles in a circle



radius = 0.070493632407 density = 0.824912466851
 ratio = 14.185678420214 contacts = 346

N = 167

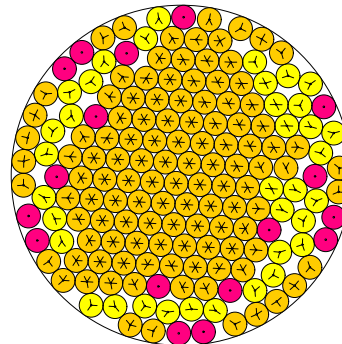
167 circles in a circle



radius = 0.070321537177 density = 0.825834804683
 ratio = 14.220394492874 contacts = 328

N = 168

168 circles in a circle



radius = 0.070128511373 density = 0.826225362031
 ratio = 14.259535359555 contacts = 352