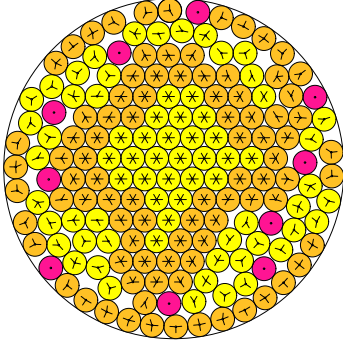


N = 169

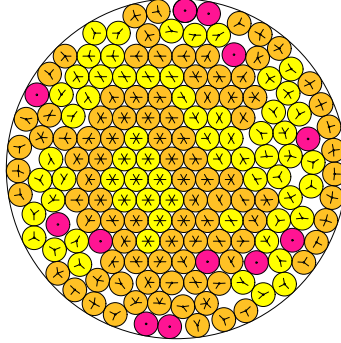
169 circles in a circle



radius = 0.069952776562 density = 0.826983070346
 ratio = 14.295358227959 contacts = 363

N = 170

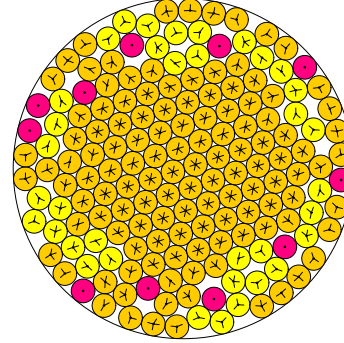
170 circles in a circle



radius = 0.069776124656 density = 0.827680287249
 ratio = 14.331549723140 contacts = 339

N = 171

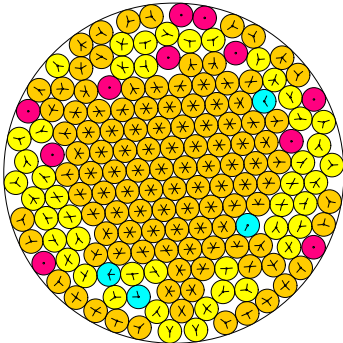
171 circles in a circle



radius = 0.069600749130 density = 0.828369191791
 ratio = 14.367661447579 contacts = 365

N = 172

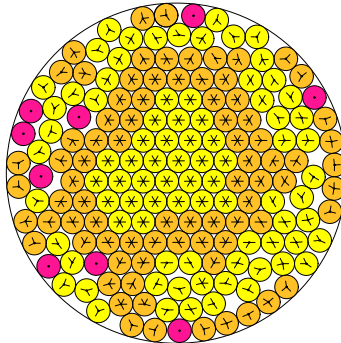
172 circles in a circle



radius = 0.069363635406 density = 0.827545993683
 ratio = 14.416776083666 contacts = 363

N = 173

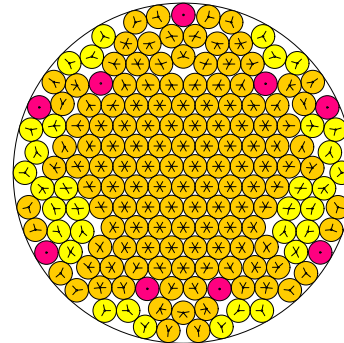
173 circles in a circle



radius = 0.06919728420 density = 0.828380331993
 ratio = 14.451348369152 contacts = 373

N = 174

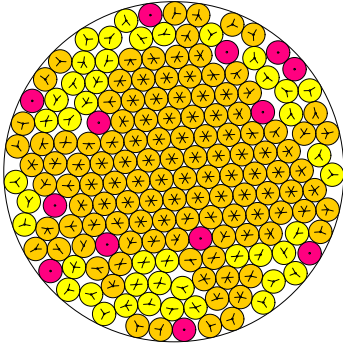
174 circles in a circle



radius = 0.068999546682 density = 0.828403114954
 ratio = 14.492848838773 contacts = 387

N = 175

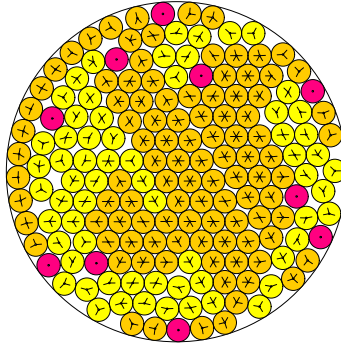
175 circles in a circle



radius = 0.068792158147 density = 0.828163178943
 ratio = 14.536540601939 contacts = 373

N = 176

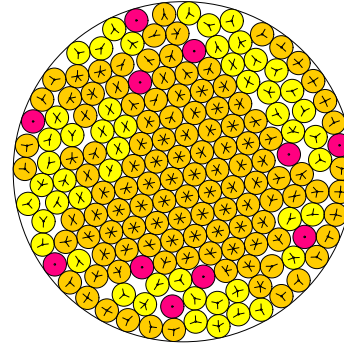
176 circles in a circle



radius = 0.068614703734 density = 0.828640518225
 ratio = 14.574135654895 contacts = 353

N = 177

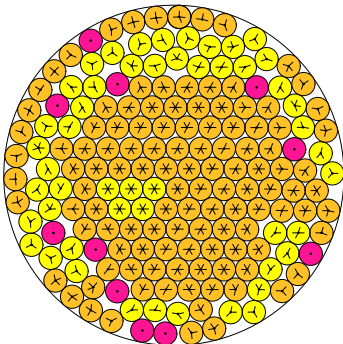
177 circles in a circle



radius = 0.068412582430 density = 0.828405813955
 ratio = 14.617194154592 contacts = 364

N = 178

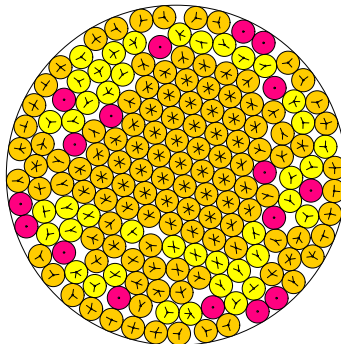
178 circles in a circle



radius = 0.068218341861 density = 0.828366105598
 ratio = 14.658814223834 contacts = 375

N = 179

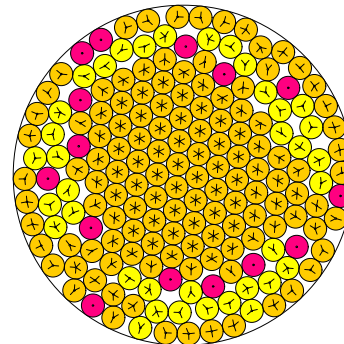
179 circles in a circle



radius = 0.068016599535 density = 0.828100148412
 ratio = 14.702293364136 contacts = 357

N = 180

180 circles in a circle



radius = 0.067829361243 density = 0.828148004385
 ratio = 14.742878035113 contacts = 377