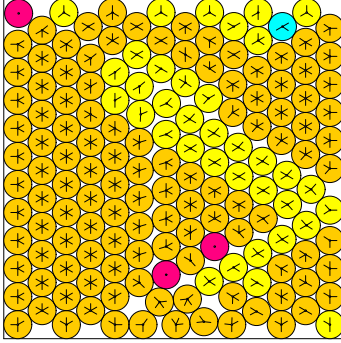


N = 157

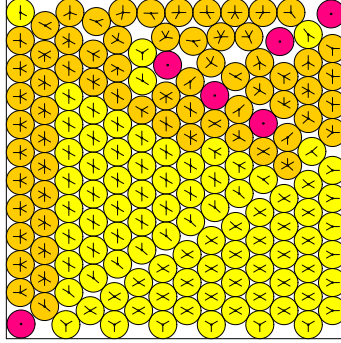
157 circles in a square



radius = 0.041220349223 density = 0.83805650863
 ratio = 24.259862394350 contacts = 370

N = 158

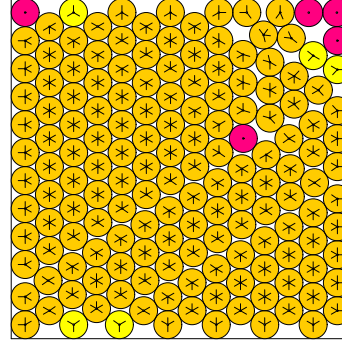
158 circles in a square



radius = 0.041159693497 density = 0.840913304580
 ratio = 24.29561378688 contacts = 315

N = 159

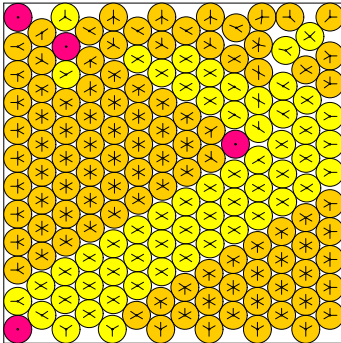
159 circles in a square



radius = 0.04114183404 density = 0.844365217382
 ratio = 24.32250668038 contacts = 402

N = 160

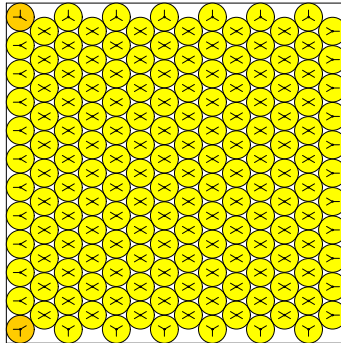
160 circles in a square



radius = 0.041044599831 density = 0.846801897164
 ratio = 24.363743381031 contacts = 366

N = 161

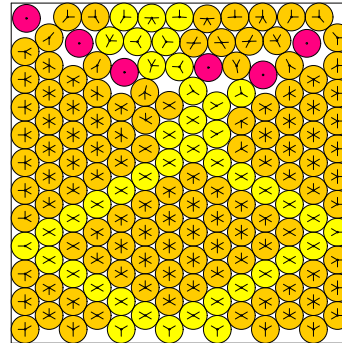
161 circles in a square



radius = 0.041010347769 density = 0.850673008400
 ratio = 24.384089733572 contacts = 323

N = 162

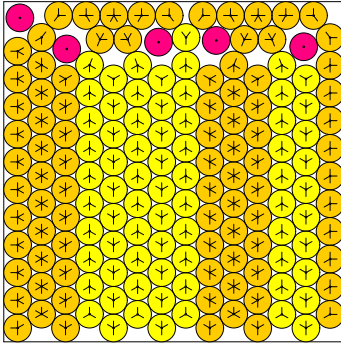
162 circles in a square



radius = 0.040799112620 density = 0.84716716876
 ratio = 24.510337009199 contacts = 371

N = 163

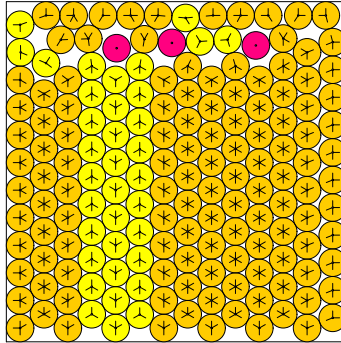
163 circles in a square



radius = 0.040681206445 density = 0.847471461336
 ratio = 24.581376427768 contacts = 363

N = 164

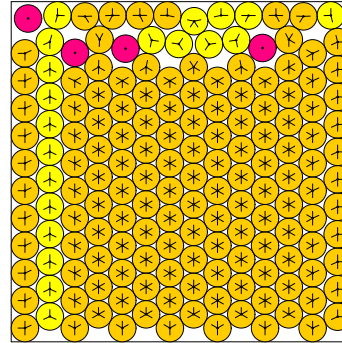
164 circles in a square



radius = 0.040520505269 density = 0.84617397216
 ratio = 24.676093960033 contacts = 400

N = 165

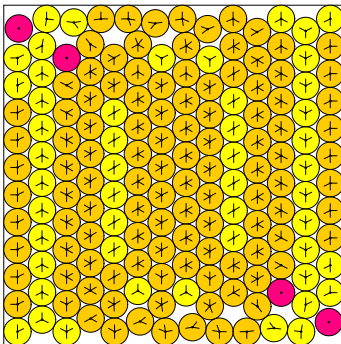
165 circles in a square



radius = 0.040377544085 density = 0.845110732099
 ratio = 24.766241302137 contacts = 418

N = 166

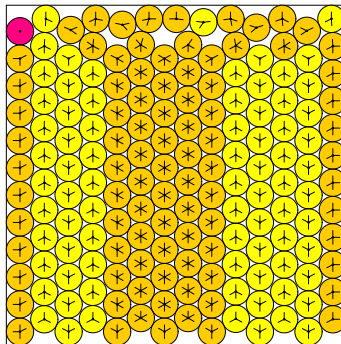
166 circles in a square



radius = 0.040237727637 density = 0.844354561623
 ratio = 24.852298048043 contacts = 398

N = 167

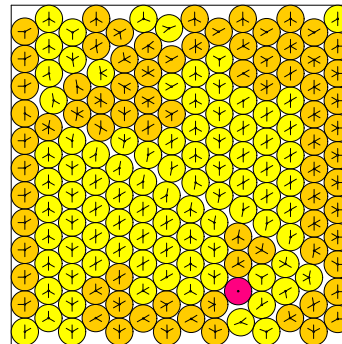
167 circles in a square



radius = 0.040148441368 density = 0.845675450809
 ratio = 24.907567166374 contacts = 381

N = 168

168 circles in a square



radius = 0.040102400734 density = 0.848789306364
 ratio = 24.936162965002 contacts = 342