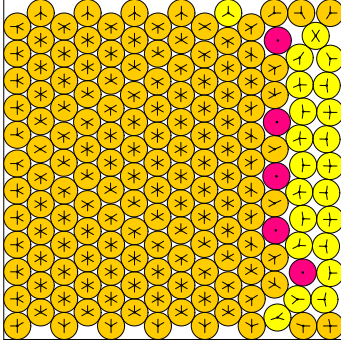


N = 169

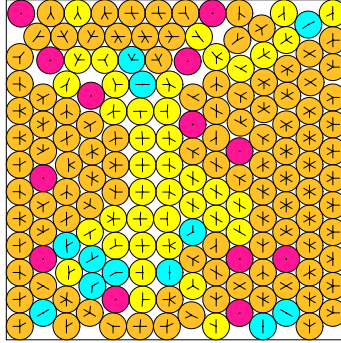
169 circles in a square



radius = 0.039805392979 density = 0.841240957492
 ratio = 25.122224029184 contacts = 421

N = 170

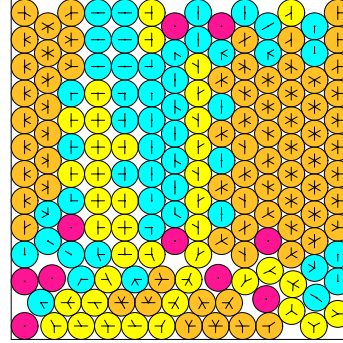
170 circles in a square



radius = 0.039599730392 density = 0.837496985131
 ratio = 25.252697179748 contacts = 342

N = 171

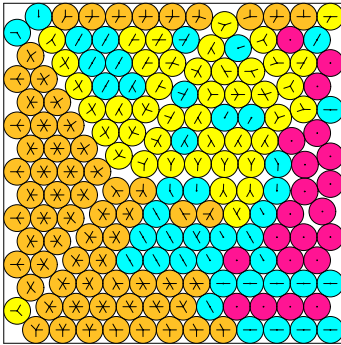
171 circles in a square



radius = 0.039485746085 density = 0.837580735542
 ratio = 25.32559465256 contacts = 361

N = 172

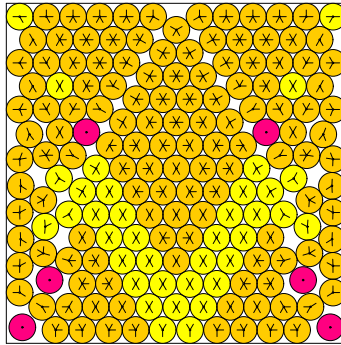
172 circles in a square



radius = 0.039363169909 density = 0.837256178307
 ratio = 25.404460665464 contacts = 284

N = 173

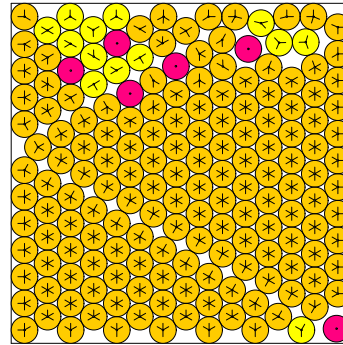
173 circles in a square



radius = 0.039251533454 density = 0.837354256177
 ratio = 25.476711699468 contacts = 370

N = 174

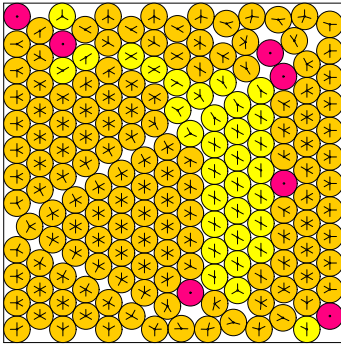
174 circles in a square



radius = 0.039179543023 density = 0.83707984106
 ratio = 25.523523830240 contacts = 441

N = 175

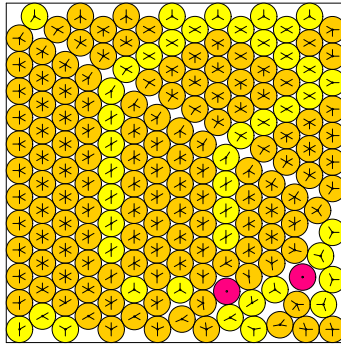
175 circles in a square



radius = 0.038730562461 density = 0.838835576675
 ratio = 25.600918082125 contacts = 398

N = 176

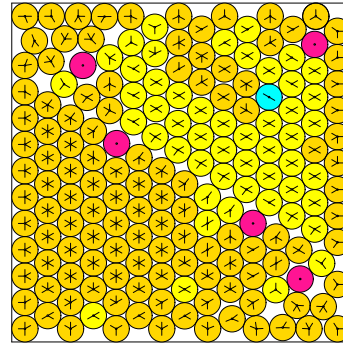
176 circles in a square



radius = 0.038690268347 density = 0.840595637982
 ratio = 25.647066875404 contacts = 407

N = 177

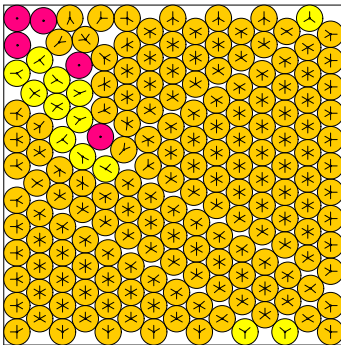
177 circles in a square



radius = 0.038659553271 density = 0.839689546072
 ratio = 25.733699786397 contacts = 381

N = 178

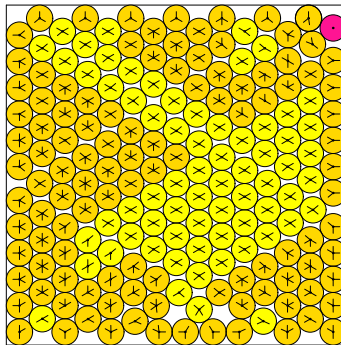
178 circles in a square



radius = 0.038730562461 density = 0.838835576675
 ratio = 25.819402984754 contacts = 449

N = 179

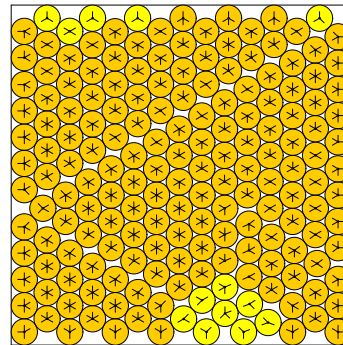
179 circles in a square



radius = 0.038662568339 density = 0.841460059278
 ratio = 25.851437558223 contacts = 380

N = 180

180 circles in a square



radius = 0.038620111853 density = 0.843430753378
 ratio = 25.893246530623 contacts = 447