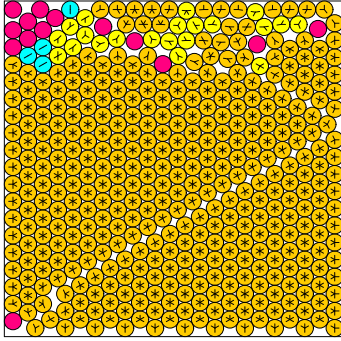


N = 421

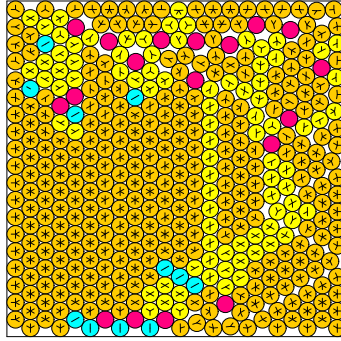
421 circles in a square



radius = 0.025495958536 density = 0.859754894493
 ratio = 39.221902505494 contacts = 1106

N = 422

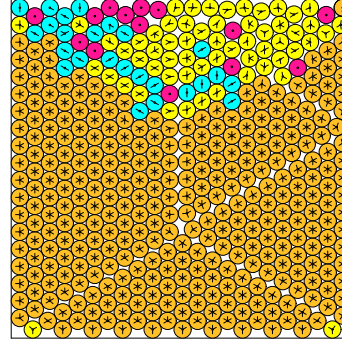
422 circles in a square



radius = 0.025448621093 density = 0.858599902221
 ratio = 39.2948959809620 contacts = 937

N = 423

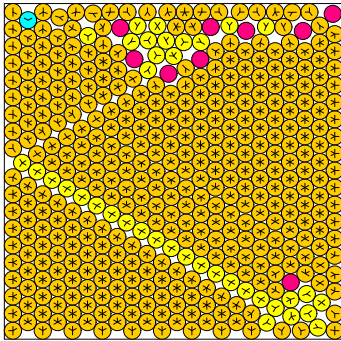
423 circles in a square



radius = 0.025426728760 density = 0.859154403771
 ratio = 39.328692631179 contacts = 1044

N = 424

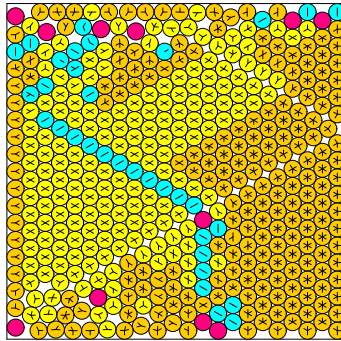
424 circles in a square



radius = 0.025393070737 density = 0.85907063328
 ratio = 39.38082050577 contacts = 1068

N = 425

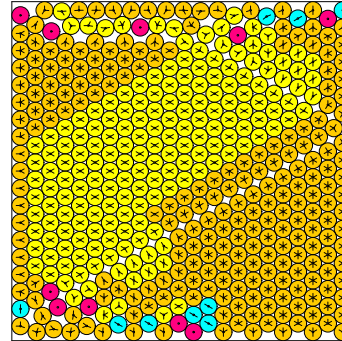
425 circles in a square



radius = 0.025380828313 density = 0.86102713176
 ratio = 39.399820437013 contacts = 884

N = 426

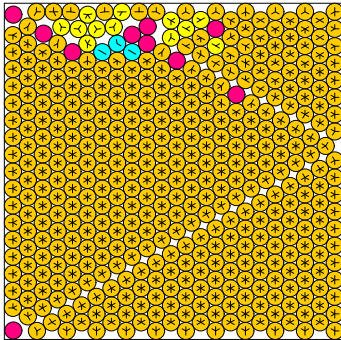
426 circles in a square



radius = 0.025374019749 density = 0.861664139345
 ratio = 39.410389441269 contacts = 947

N = 427

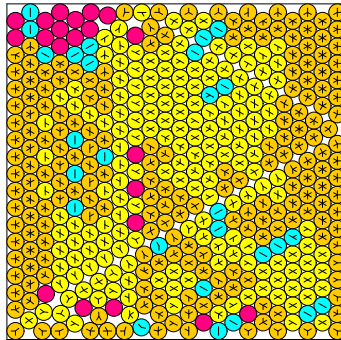
427 circles in a square



radius = 0.025360723546 density = 0.862781903738
 ratio = 39.431051648866 contacts = 1143

N = 428

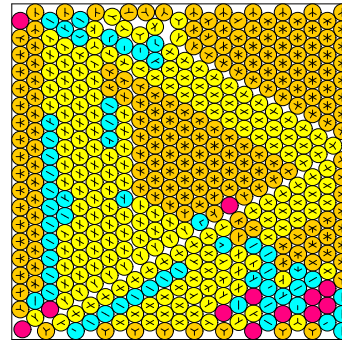
428 circles in a square



radius = 0.025315851417 density = 0.861744892059
 ratio = 39.500942849093 contacts = 840

N = 429

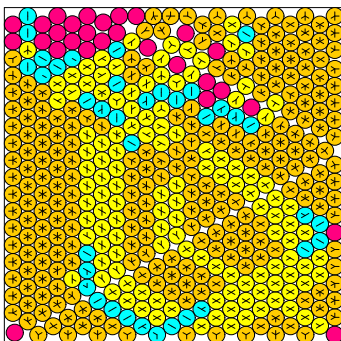
429 circles in a square



radius = 0.025283982015 density = 0.861584962241
 ratio = 39.550732135366 contacts = 873

N = 430

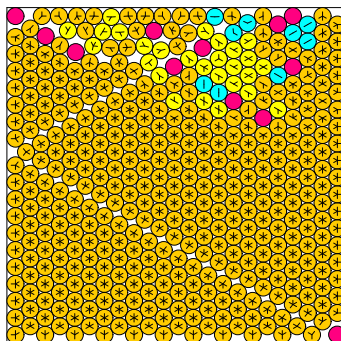
430 circles in a square



radius = 0.02526489244 density = 0.862535308662
 ratio = 39.574981723049 contacts = 878

N = 431

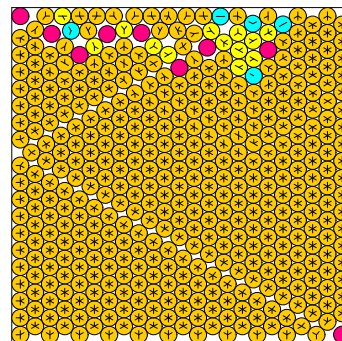
431 circles in a square



radius = 0.025264482147 density = 0.862967583893
 ratio = 39.61104765825 contacts = 1104

N = 432

432 circles in a square



radius = 0.025214891203 density = 0.862874861575
 ratio = 39.659104294789 contacts = 1135