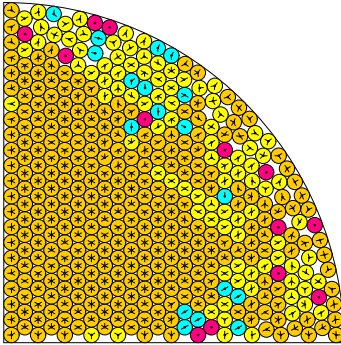


N = 421

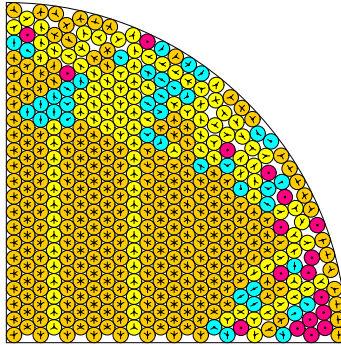
421 circles in a circular quadrant



radius = 0.022628204727 density = 0.862268033167  
 ratio = 44.192635345220 contacts = 930

N = 422

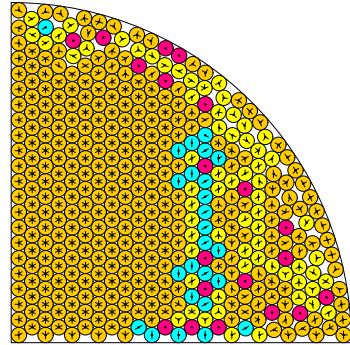
422 circles in a circular quadrant



radius = 0.022610438661 density = 0.8623959508695  
 ratio = 44.227359539754 contacts = 893

N = 423

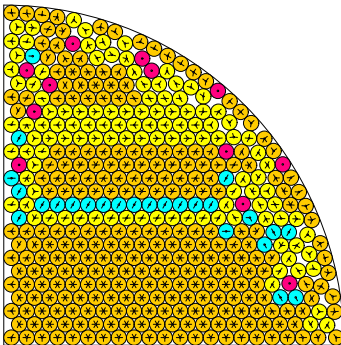
423 circles in a circular quadrant



radius = 0.022582719903 density = 0.862884871097  
 ratio = 44.281645624454 contacts = 967

N = 424

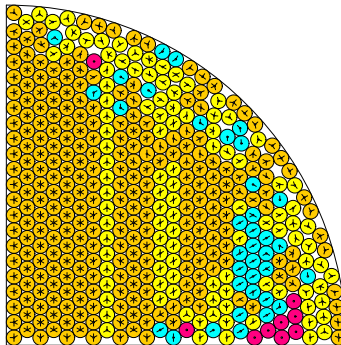
424 circles in a circular quadrant



radius = 0.022342855162 density = 0.861873820741  
 ratio = 44.359951201805 contacts = 949

N = 425

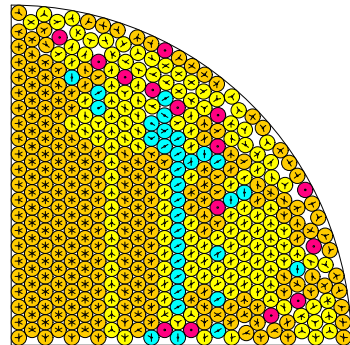
425 circles in a circular quadrant



radius = 0.022506463349 density = 0.861119517196  
 ratio = 44.431468100256 contacts = 938

N = 426

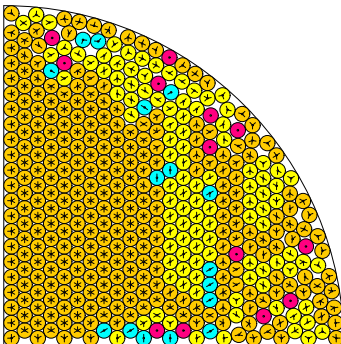
426 circles in a circular quadrant



radius = 0.022486863273 density = 0.861642969872  
 ratio = 44.470408693300 contacts = 899

N = 427

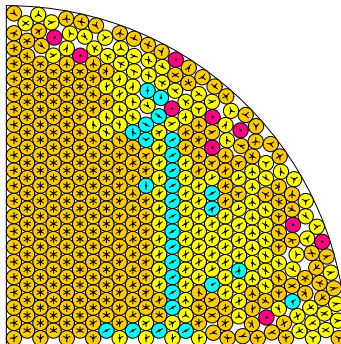
427 circles in a circular quadrant



radius = 0.022345535544 density = 0.861246647816  
 ratio = 44.532816286095 contacts = 974

N = 428

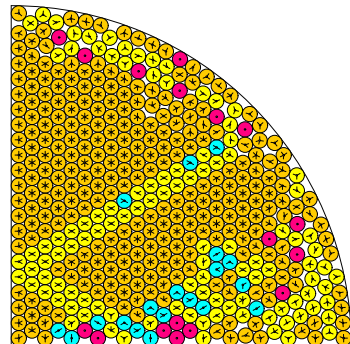
428 circles in a circular quadrant



radius = 0.022456500043 density = 0.860279099780  
 ratio = 44.609997015088 contacts = 940

N = 429

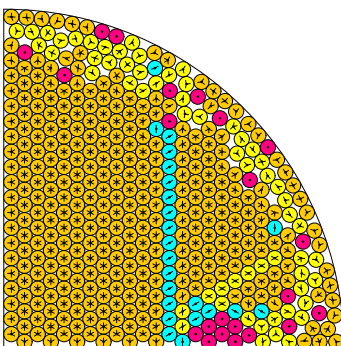
429 circles in a circular quadrant



radius = 0.022383757336 density = 0.859771928725  
 ratio = 44.675252012843 contacts = 962

N = 430

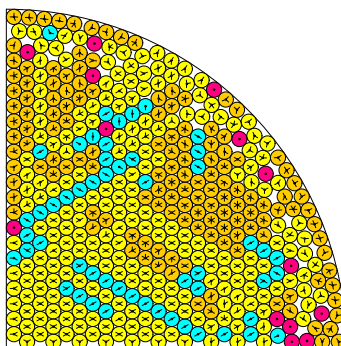
430 circles in a circular quadrant



radius = 0.022345677727 density = 0.858846418493  
 ratio = 44.751383789699 contacts = 1016

N = 431

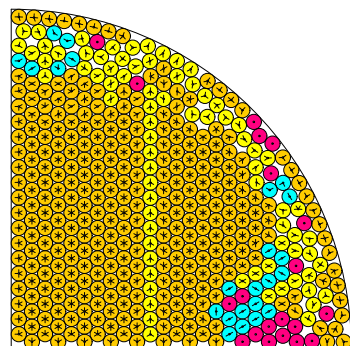
431 circles in a circular quadrant



radius = 0.022328667329 density = 0.859533619236  
 ratio = 44.785476233173 contacts = 795

N = 432

432 circles in a circular quadrant



radius = 0.022310930802 density = 0.860159750244  
 ratio = 44.821079357166 contacts = 1004