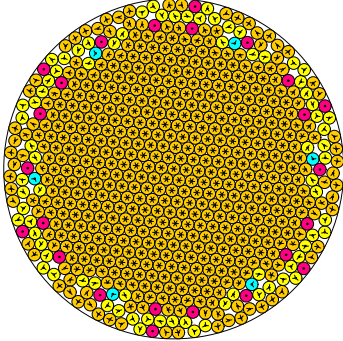


N = 637

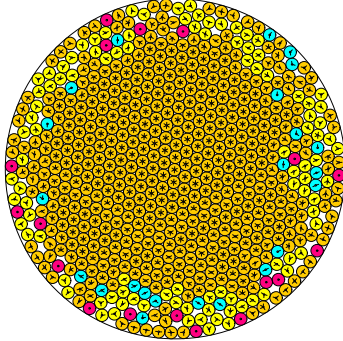
637 circles in a circle



radius = 0.036819990581 density = 0.863588732236  
 ratio = 27.159153681123 contacts = 1590

N = 638

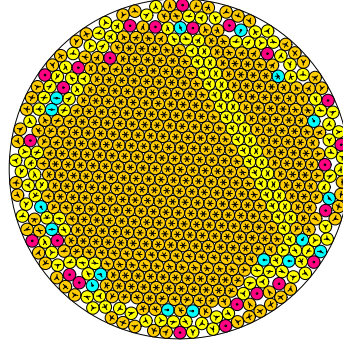
638 circles in a circle



radius = 0.036755246354 density = 0.861904909861  
 ratio = 27.207000338292 contacts = 1487

N = 639

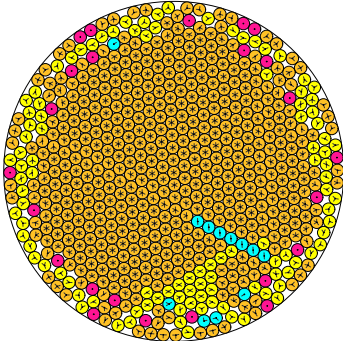
639 circles in a circle



radius = 0.036746866448 density = 0.862862271827  
 ratio = 27.213204734123 contacts = 1498

N = 640

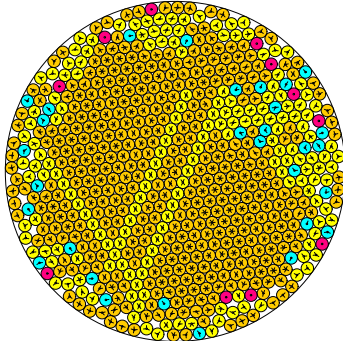
640 circles in a circle



radius = 0.036715137382 density = 0.862720840307  
 ratio = 27.236722270388 contacts = 1529

N = 641

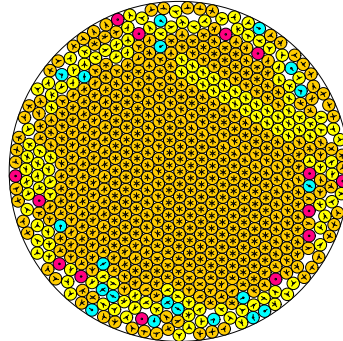
641 circles in a circle



radius = 0.036673703378 density = 0.862119629891  
 ratio = 27.267484359153 contacts = 1397

N = 642

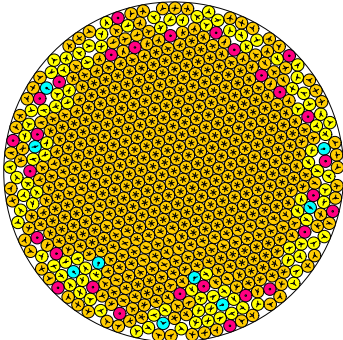
642 circles in a circle



radius = 0.036650953238 density = 0.86293703633  
 ratio = 27.284619937754 contacts = 1453

N = 643

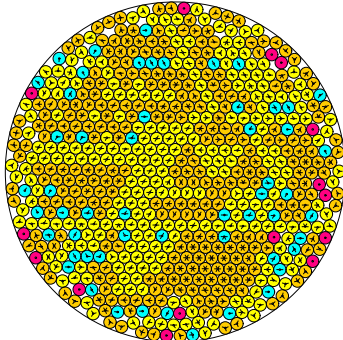
643 circles in a circle



radius = 0.036623374413 density = 0.862208946096  
 ratio = 27.306457396007 contacts = 1511

N = 644

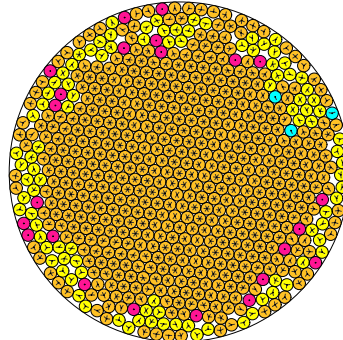
644 circles in a circle



radius = 0.036579580115 density = 0.861714298828  
 ratio = 27.337656606465 contacts = 1321

N = 645

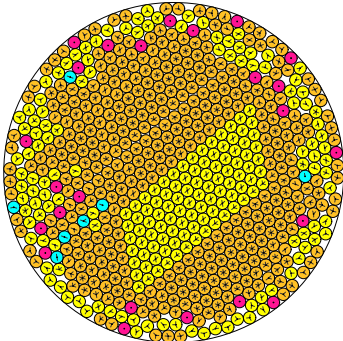
645 circles in a circle



radius = 0.036566498050 density = 0.862435162868  
 ratio = 27.347436952607 contacts = 1529

N = 646

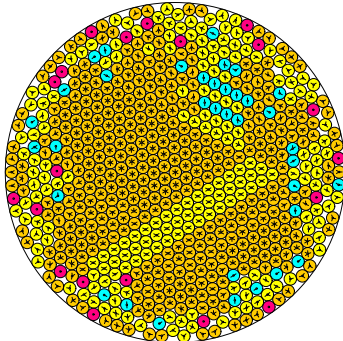
646 circles in a circle



radius = 0.036533926119 density = 0.862208940020  
 ratio = 27.372218504604 contacts = 1392

N = 647

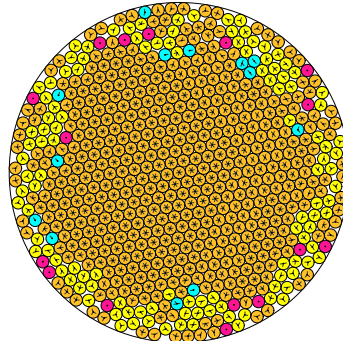
647 circles in a circle



radius = 0.036514593268 density = 0.862655142424  
 ratio = 27.386310800800 contacts = 1362

N = 648

648 circles in a circle



radius = 0.036492013223 density = 0.862920192272  
 ratio = 27.403257215545 contacts = 1527