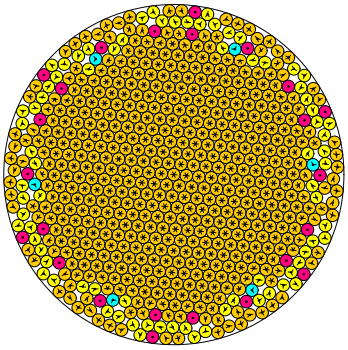
N = 637

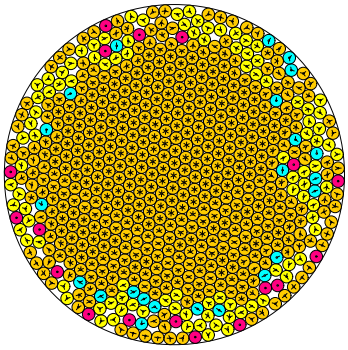
637 circles in a circle



radius = 0.036819998581 density = 0.863588732236
ratio = 27.159153681123 contacts = 1590

N = 638

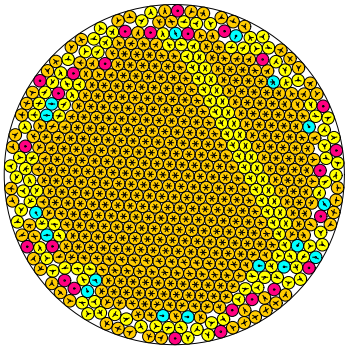
638 circles in a circle



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

N = 639

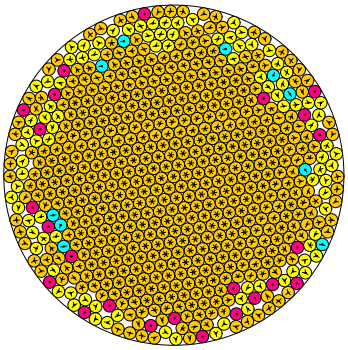
639 circles in a circle



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

N = 640

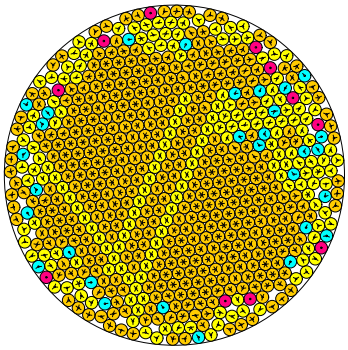
640 circles in a circle



radius = 0.036708079661 density = 0.862389191912
ratio = 27.241958970563 contacts = 1523

N = 641

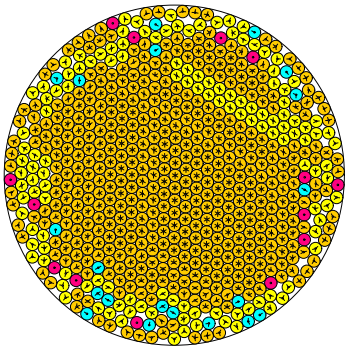
641 circles in a circle



radius = 0.036673703378 density = 0.862119692991
ratio = 27.267494359153 contacts = 1397

N = 642

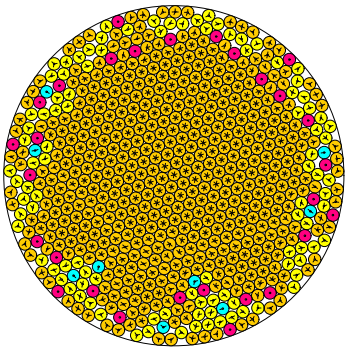
642 circles in a circle



radius = 0.036650953238 density = 0.862393703633
ratio = 27.284419957754 contacts = 1453

N = 643

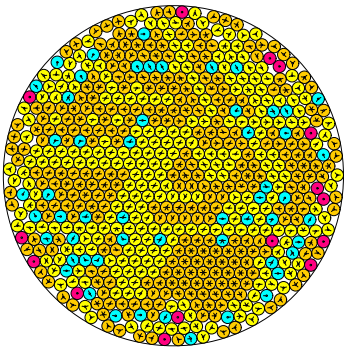
643 circles in a circle



radius = 0.036621374413 density = 0.862343416096
ratio = 27.306457390607 contacts = 1511

N = 644

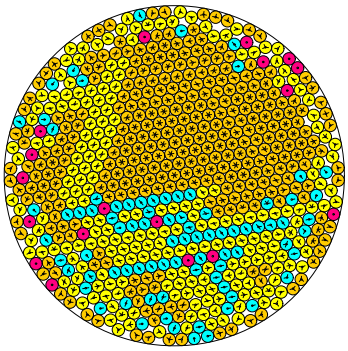
644 circles in a circle



radius = 0.036579580115 density = 0.861714298828
ratio = 27.337656606465 contacts = 1221

N = 645

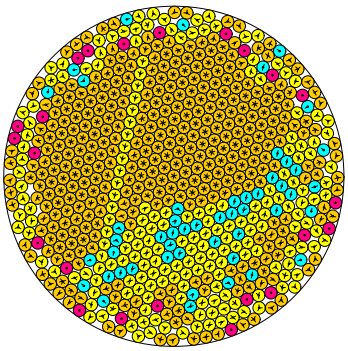
645 circles in a circle



radius = 0.036550573849 density = 0.861684169404
ratio = 27.359351569483 contacts = 1281

N = 646

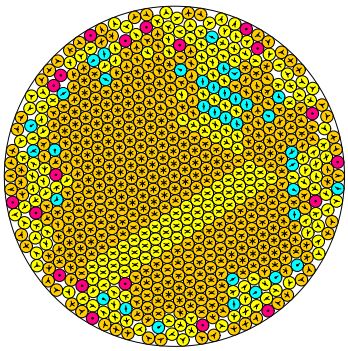
646 circles in a circle



radius = 0.036531513791 density = 0.862120268896
ratio = 27.373626117158 contacts = 1371

N = 647

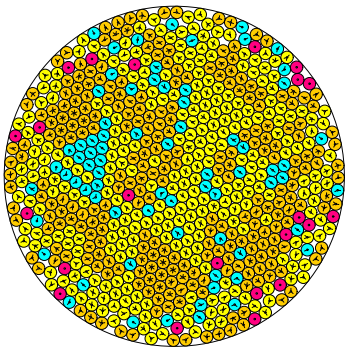
647 circles in a circle



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

N = 648

648 circles in a circle



radius = 0.036490669286 density = 0.862856676316
ratio = 27.404265790954 contacts = 1157