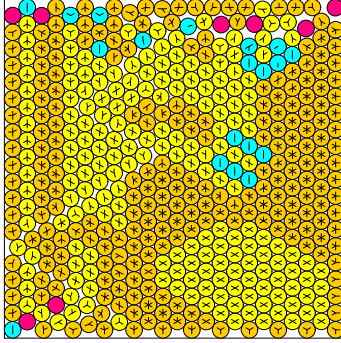


N = 457

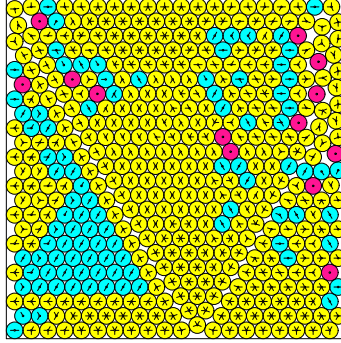
457 circles in a square



radius = 0.024524984373 density = 0.863542171511
 ratio = 40.77474565226 contacts = 973

N = 458

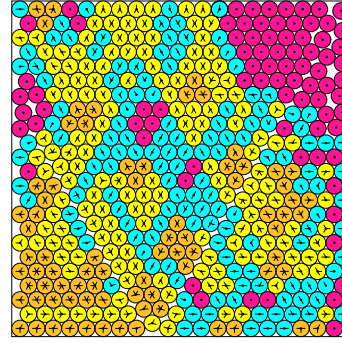
458 circles in a square



radius = 0.024515171644 density = 0.864739360598
 ratio = 40.791066631398 contacts = 851

N = 459

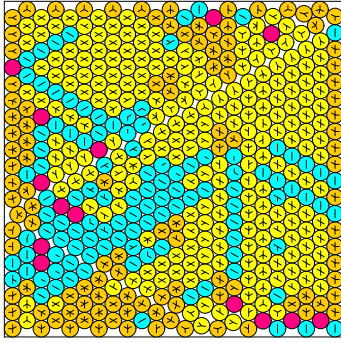
459 circles in a square



radius = 0.024513371230 density = 0.866500150886
 ratio = 40.794062579239 contacts = 607

N = 460

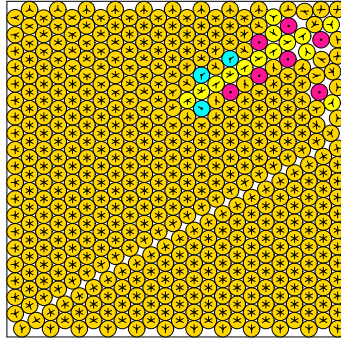
460 circles in a square



radius = 0.024486573769 density = 0.864490384537
 ratio = 40.838706526334 contacts = 781

N = 461

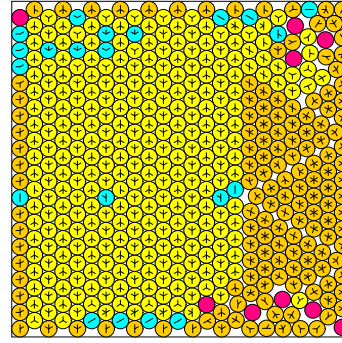
461 circles in a square



radius = 0.024441428639 density = 0.865175022763
 ratio = 40.914138645034 contacts = 1239

N = 462

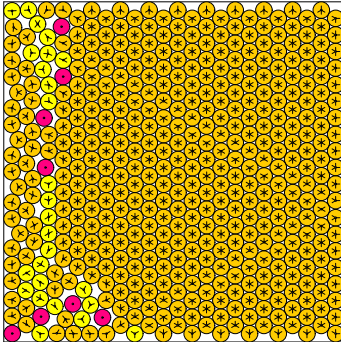
462 circles in a square



radius = 0.024319142590 density = 0.863544309418
 ratio = 40.997144705485 contacts = 936

N = 463

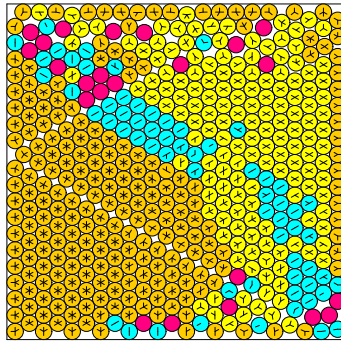
463 circles in a square



radius = 0.024349975251 density = 0.862438056016
 ratio = 41.067803548193 contacts = 1230

N = 464

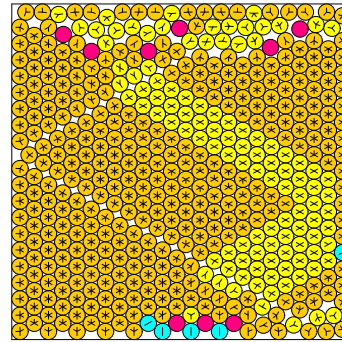
464 circles in a square



radius = 0.02428356021 density = 0.860522797002
 ratio = 41.157853594105 contacts = 917

N = 465

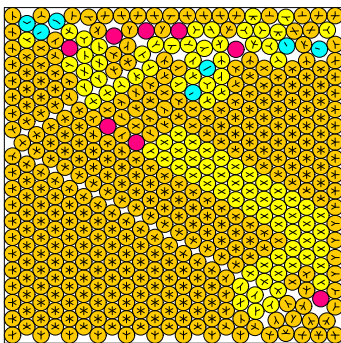
465 circles in a square



radius = 0.024271440856 density = 0.860585338400
 ratio = 41.200685448950 contacts = 1117

N = 466

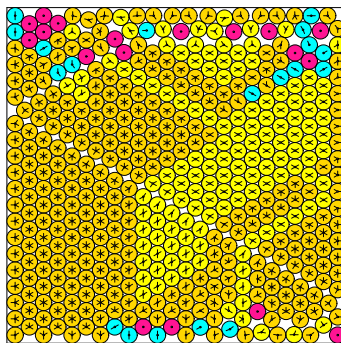
466 circles in a square



radius = 0.024255090232 density = 0.861274479076
 ratio = 41.228459281528 contacts = 1118

N = 467

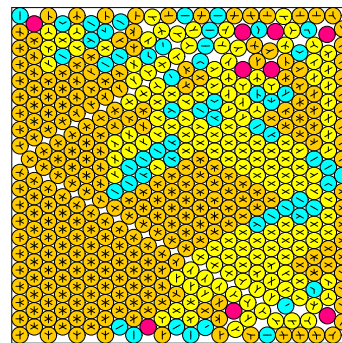
467 circles in a square



radius = 0.02424356021 density = 0.862302007921
 ratio = 41.248074297342 contacts = 1030

N = 468

468 circles in a square



radius = 0.024236805709 density = 0.863667323638
 ratio = 41.259562502081 contacts = 978