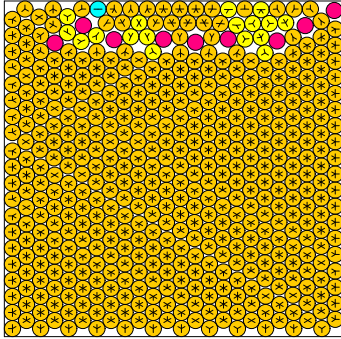


N = 481

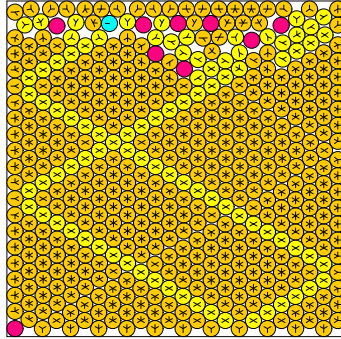
481 circles in a square



radius = 0.023977380615 density = 0.868757213484
 ratio = 41.705973477268 contacts = 1246

N = 482

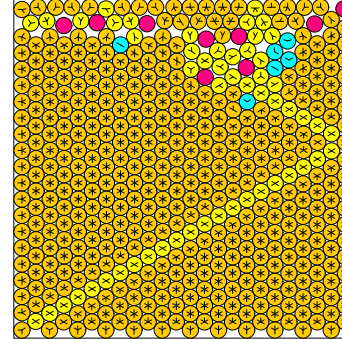
482 circles in a square



radius = 0.023957551945 density = 0.869124090367
 ratio = 41.740491778837 contacts = 1181

N = 483

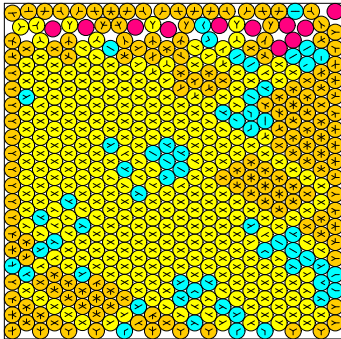
483 circles in a square



radius = 0.023944174754 density = 0.869954923724
 ratio = 41.763811459632 contacts = 1261

N = 484

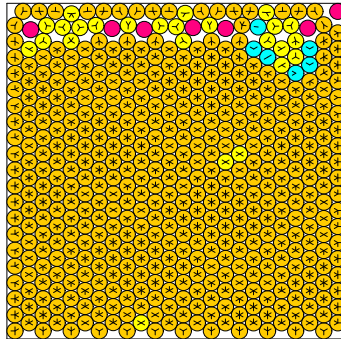
484 circles in a square



radius = 0.023934440014 density = 0.871047374662
 ratio = 41.780797855249 contacts = 918

N = 485

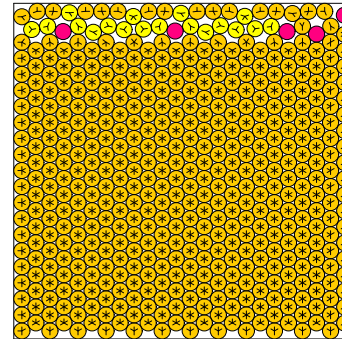
485 circles in a square



radius = 0.023922803093 density = 0.871998509443
 ratio = 41.801121554080 contacts = 1191

N = 486

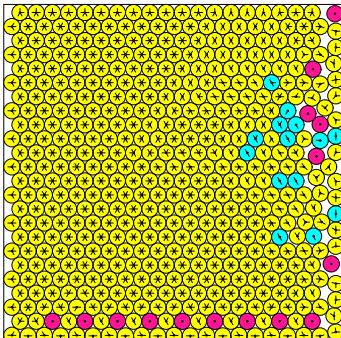
486 circles in a square



radius = 0.02389721972 density = 0.871673320817
 ratio = 41.851997825123 contacts = 1355

N = 487

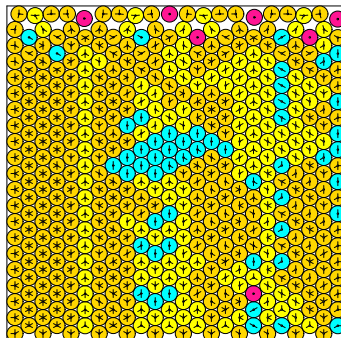
487 circles in a square



radius = 0.023857161569 density = 0.870795903712
 ratio = 41.916134789316 contacts = 1193

N = 488

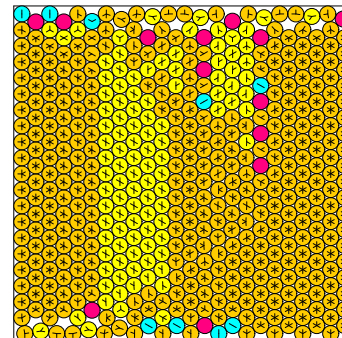
488 circles in a square



radius = 0.02384510070 density = 0.871724567066
 ratio = 41.938791905204 contacts = 996

N = 489

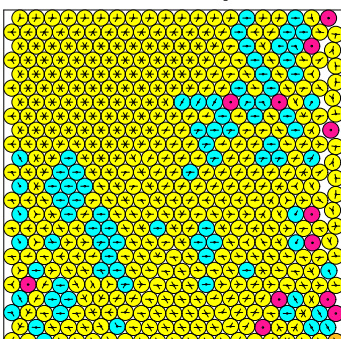
489 circles in a square



radius = 0.023828586235 density = 0.872278732016
 ratio = 41.966400782856 contacts = 1151

N = 490

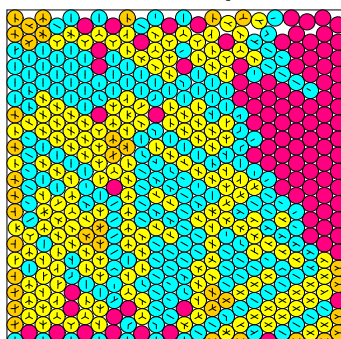
490 circles in a square



radius = 0.023820903874 density = 0.873499027639
 ratio = 41.979393156804 contacts = 950

N = 491

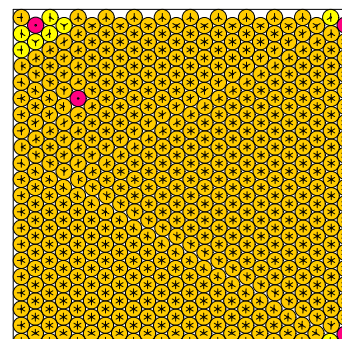
491 circles in a square



radius = 0.023815903727 density = 0.874914263839
 ratio = 41.988748836684 contacts = 968

N = 492

492 circles in a square



radius = 0.023813642711 density = 0.876529712251
 ratio = 41.992735515034 contacts = 1371