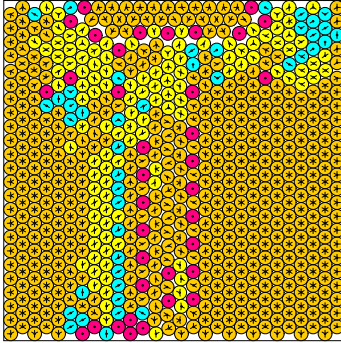


N = 673

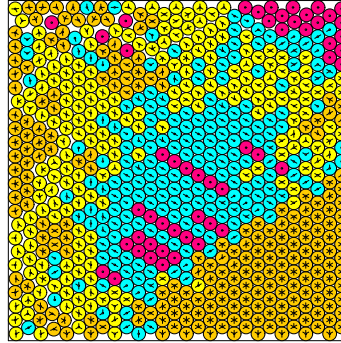
673 circles in a square



radius = 0.020307142547 density = 0.871891756753
 ratio = 49.243757347464 contacts = 1497

N = 674

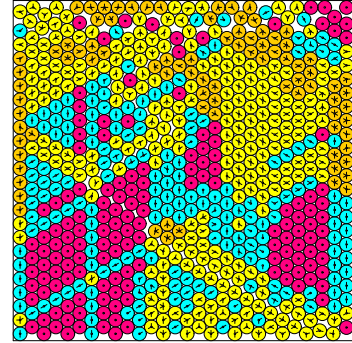
674 circles in a square



radius = 0.020244252866 density = 0.869502753145
 ratio = 49.347982708003 contacts = 1111

N = 675

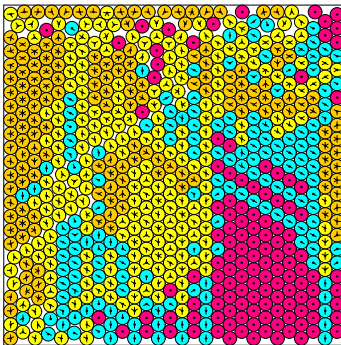
675 circles in a square



radius = 0.020239102470 density = 0.868632638958
 ratio = 49.409305648185 contacts = 828

N = 676

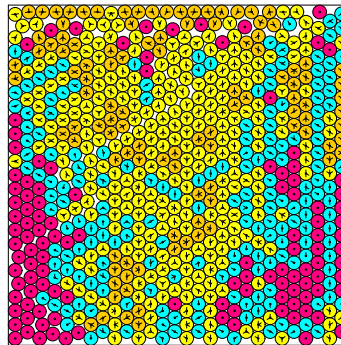
676 circles in a square



radius = 0.020221011990 density = 0.868365062840
 ratio = 49.4533509076376 contacts = 916

N = 677

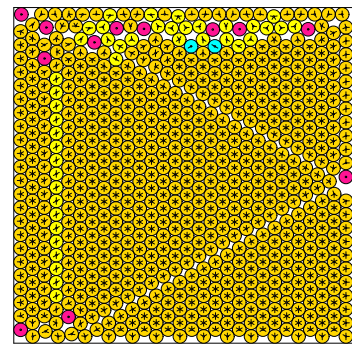
677 circles in a square



radius = 0.020203327309 density = 0.868129153520
 ratio = 49.4549757469073 contacts = 869

N = 678

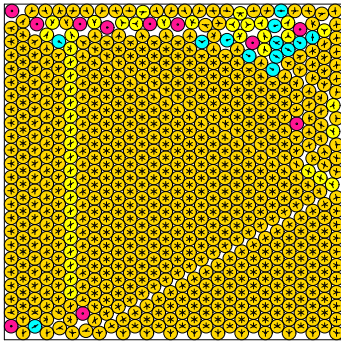
678 circles in a square



radius = 0.020194809421 density = 0.868678523879
 ratio = 49.517674526007 contacts = 1801

N = 679

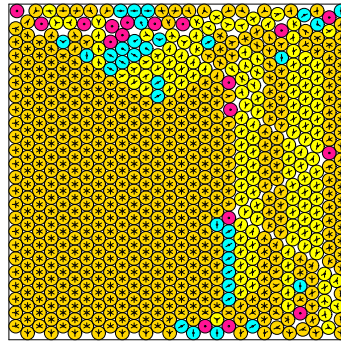
679 circles in a square



radius = 0.020186840313 density = 0.869273303531
 ratio = 49.537222492926 contacts = 1747

N = 680

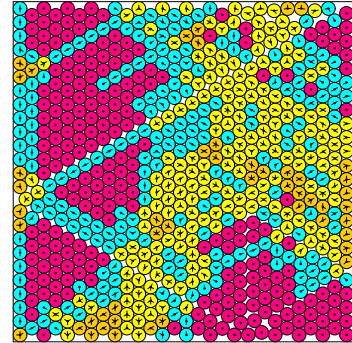
680 circles in a square



radius = 0.020161688472 density = 0.868385544366
 ratio = 49.599020507878 contacts = 1627

N = 681

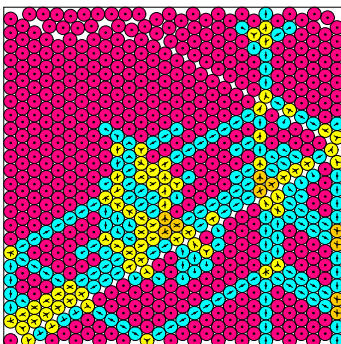
681 circles in a square



radius = 0.020155345773 density = 0.869115490846
 ratio = 49.614628855274 contacts = 640

N = 682

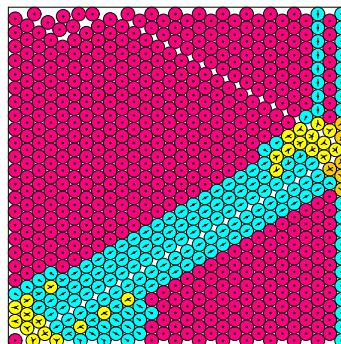
682 circles in a square



radius = 0.020153966359 density = 0.870272591441
 ratio = 49.618024669086 contacts = 295

N = 683

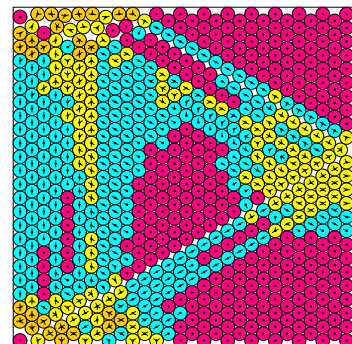
683 circles in a square



radius = 0.020153913488 density = 0.871544078205
 ratio = 49.618154835041 contacts = 214

N = 684

684 circles in a square



radius = 0.020152025262 density = 0.872656589134
 ratio = 49.622804010305 contacts = 519