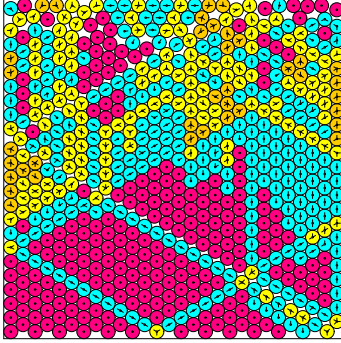


N = 649

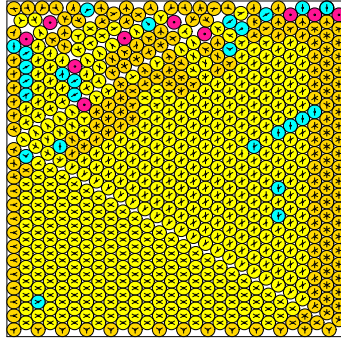
649 circles in a square



radius = 0.020652829701 density = 0.869668414889
ratio = 48.419515120384 contacts = 597

N = 650

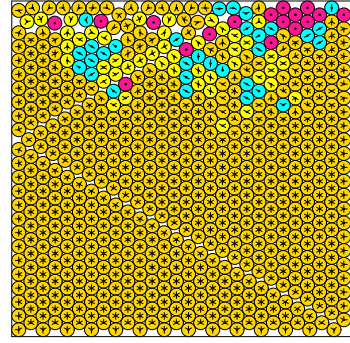
650 circles in a square



radius = 0.020648544504 density = 0.870447019237
ratio = 48.429563632603 contacts = 1292

N = 651

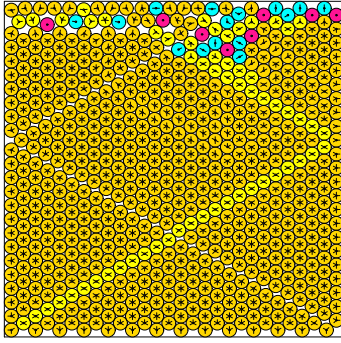
651 circles in a square



radius = 0.020645802220 density = 0.871754878639
ratio = 48.435996302934 contacts = 1653

N = 652

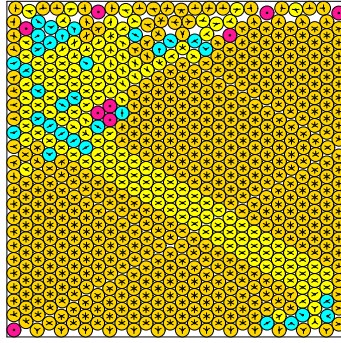
652 circles in a square



radius = 0.020637773745 density = 0.872415076667
ratio = 48.454838799660 contacts = 1676

N = 653

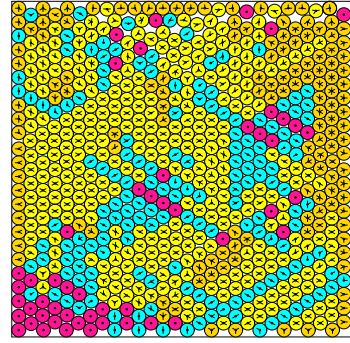
653 circles in a square



radius = 0.020609031041 density = 0.871321040780
ratio = 48.522417042524 contacts = 1564

N = 654

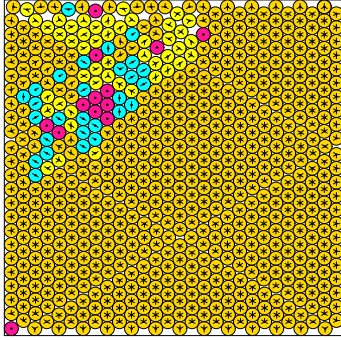
654 circles in a square



radius = 0.020605861685 density = 0.872386992885
ratio = 48.529880247886 contacts = 1042

N = 655

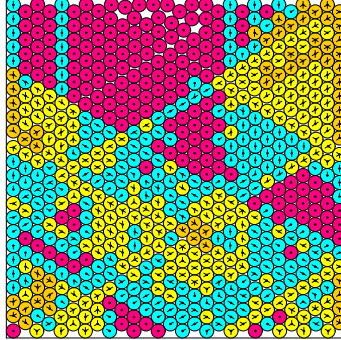
655 circles in a square



radius = 0.020604878781 density = 0.873637733010
ratio = 48.532195243886 contacts = 1671

N = 656

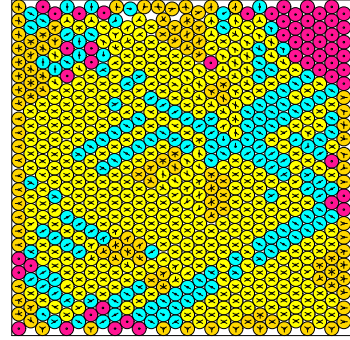
656 circles in a square



radius = 0.020604166893 density = 0.874910902351
ratio = 48.533872160639 contacts = 684

N = 657

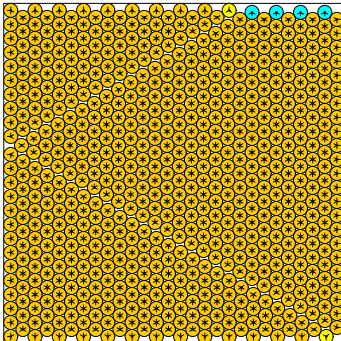
657 circles in a square



radius = 0.020594273639 density = 0.875403341884
ratio = 48.557187183103 contacts = 1057

N = 658

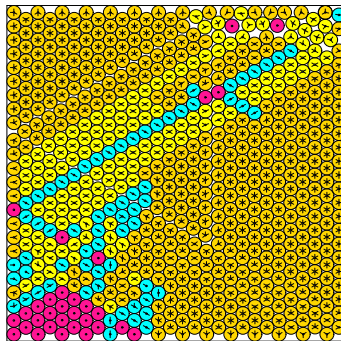
658 circles in a square



radius = 0.020590068151 density = 0.87637733010
ratio = 48.567104510654 contacts = 1894

N = 659

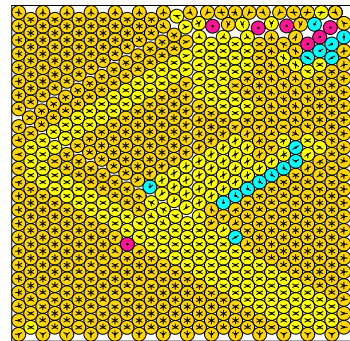
659 circles in a square



radius = 0.020542609385 density = 0.873668150132
ratio = 48.67930754345 contacts = 1467

N = 660

660 circles in a square



radius = 0.020534535567 density = 0.874306239669
ratio = 48.698467389714 contacts = 1355