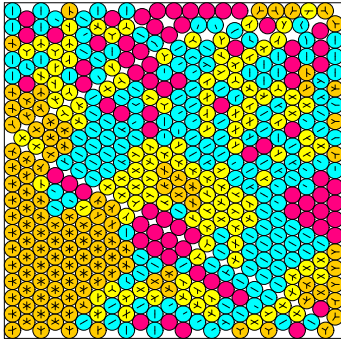


N = 469

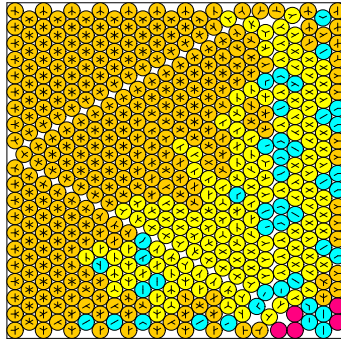
469 circles in a square



radius = 0.02423213227 density = 0.865399033048
 ratio = 41.262273644374 contacts = 643

N = 470

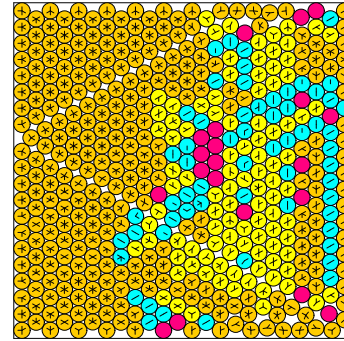
470 circles in a square



radius = 0.024184447848 density = 0.863614814545
 ratio = 41.348886949419 contacts = 1021

N = 471

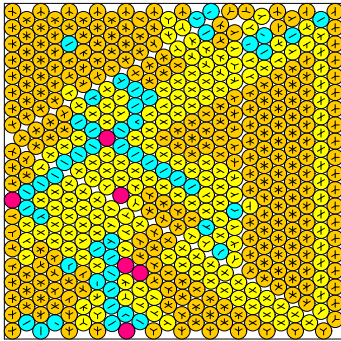
471 circles in a square



radius = 0.024157940413 density = 0.863527572747
 ratio = 41.394942651598 contacts = 967

N = 472

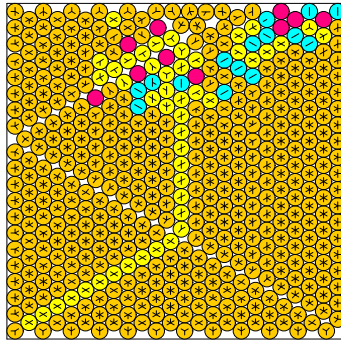
472 circles in a square



radius = 0.024103874925 density = 0.864379748189
 ratio = 41.418431099627 contacts = 983

N = 473

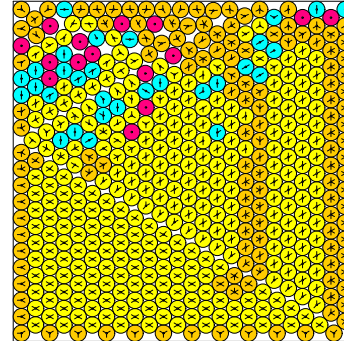
473 circles in a square



radius = 0.024131554159 density = 0.865324810218
 ratio = 41.439587810030 contacts = 1156

N = 474

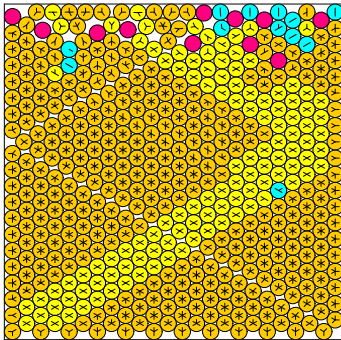
474 circles in a square



radius = 0.024119400159 density = 0.864285848875
 ratio = 41.460400896949 contacts = 907

N = 475

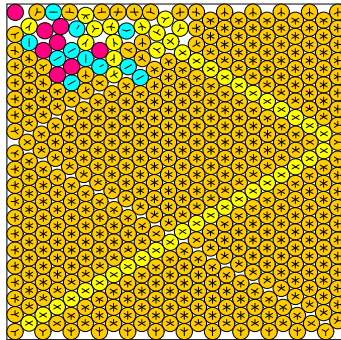
475 circles in a square



radius = 0.024048895761 density = 0.86496453085
 ratio = 41.487105418778 contacts = 1122

N = 476

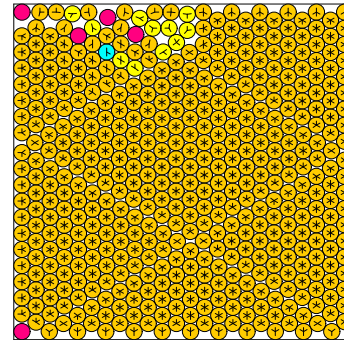
476 circles in a square



radius = 0.024077681166 density = 0.86934210215
 ratio = 41.532328637205 contacts = 1233

N = 477

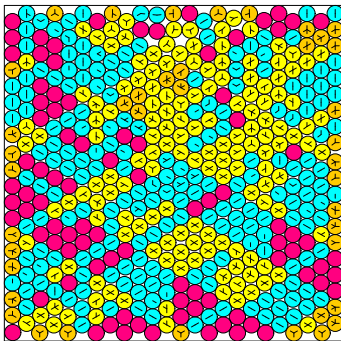
477 circles in a square



radius = 0.024054689615 density = 0.867097165660
 ratio = 41.571935289916 contacts = 1293

N = 478

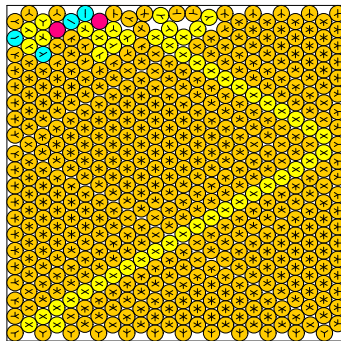
478 circles in a square



radius = 0.024048895761 density = 0.86496453085
 ratio = 41.581950786958 contacts = 542

N = 479

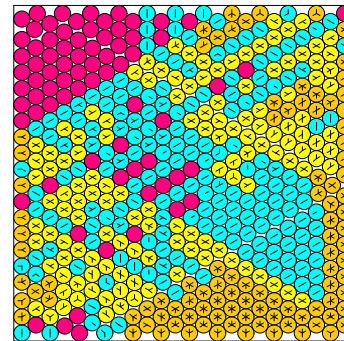
479 circles in a square



radius = 0.024035830987 density = 0.869368037362
 ratio = 41.604552825153 contacts = 1208

N = 480

480 circles in a square



radius = 0.024028512031 density = 0.870652528946
 ratio = 41.617225349864 contacts = 654