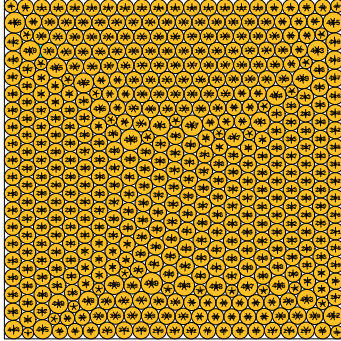


N = 469

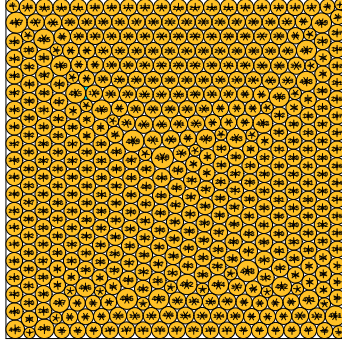
469 circles in a square



sumradii = 11.522965080147 density = 0.895668649128
sumperim = 72.400924886724 contacts = 1407

N = 470

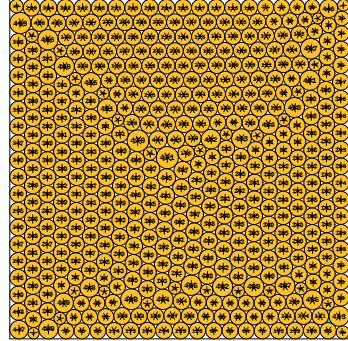
470 circles in a square



sumradii = 11.535717024814 density = 0.895769092373
sumperim = 72.481047718095 contacts = 1410

N = 471

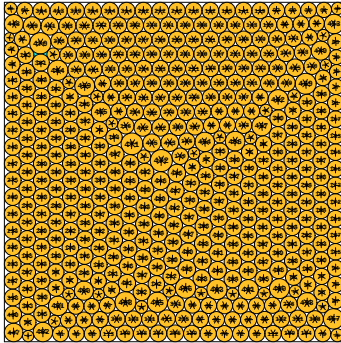
471 circles in a square



sumradii = 11.548024053592 density = 0.895772083138
sumperim = 72.558379660483 contacts = 1413

N = 472

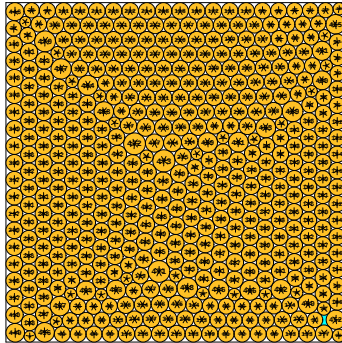
472 circles in a square



sumradii = 11.559922693009 density = 0.895823413236
sumperim = 72.633136416845 contacts = 1416

N = 473

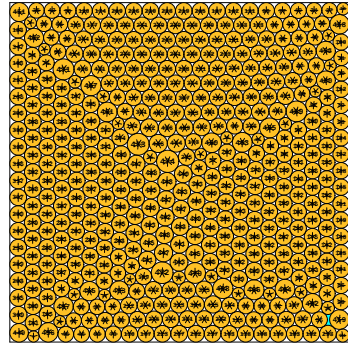
473 circles in a square



sumradii = 11.572268466196 density = 0.89583867813
sumperim = 72.718707159843 contacts = 1419

N = 474

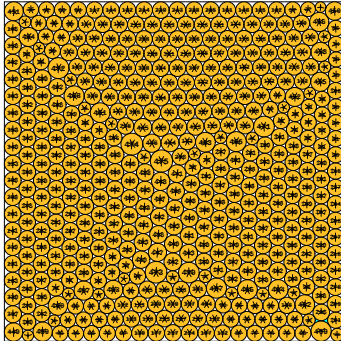
474 circles in a square



sumradii = 11.584683098149 density = 0.895848959529
sumperim = 72.788287975799 contacts = 1422

N = 475

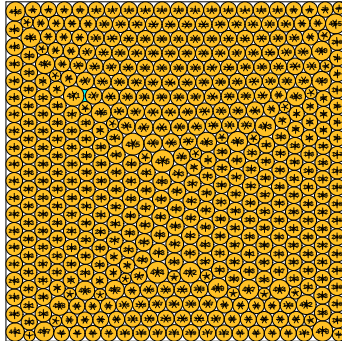
475 circles in a square



sumradii = 11.596644766915 density = 0.895877637362
sumperim = 72.863868612061 contacts = 1425

N = 476

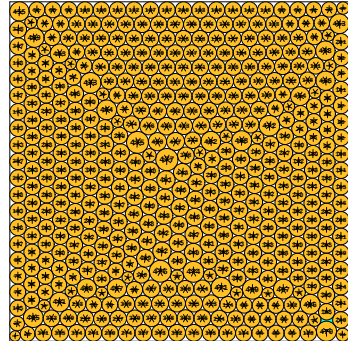
476 circles in a square



sumradii = 11.609006039390 density = 0.89587058925
sumperim = 72.941536177654 contacts = 1428

N = 477

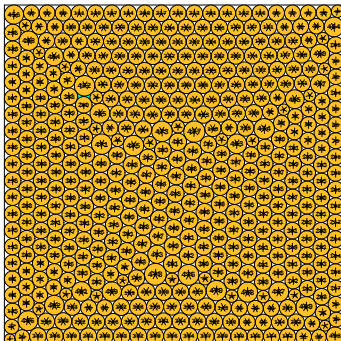
477 circles in a square



sumradii = 11.621121796626 density = 0.895880009569
sumperim = 73.017661725502 contacts = 1431

N = 478

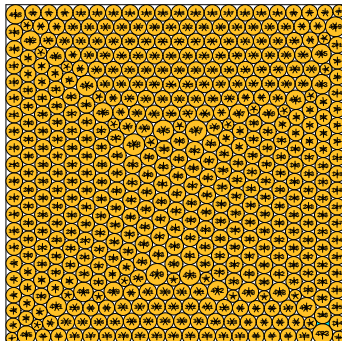
478 circles in a square



sumradii = 11.633559016748 density = 0.89589579079
sumperim = 73.085807084237 contacts = 1434

N = 479

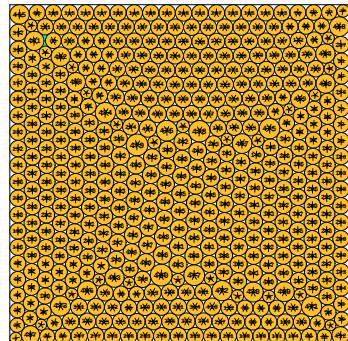
479 circles in a square



sumradii = 11.646544636677 density = 0.895908030556
sumperim = 73.177396140579 contacts = 1437

N = 480

480 circles in a square



sumradii = 11.657967569371 density = 0.895845358416
sumperim = 73.249170543446 contacts = 1440