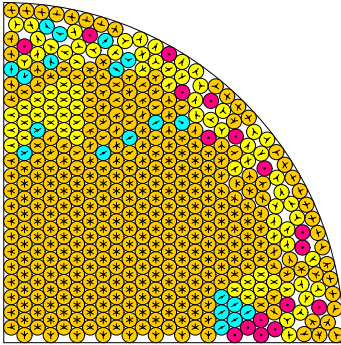


N = 433

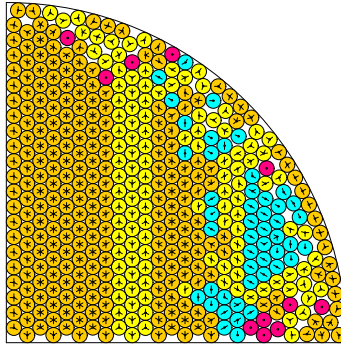
433 circles in a circular quadrant



radius = 0.022296416854 density = 0.861029514254
 ratio = 44.850258229225 contacts = 997

N = 434

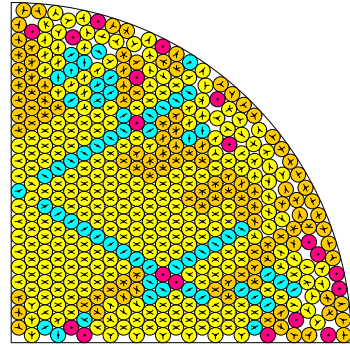
434 circles in a circular quadrant



radius = 0.022248226914 density = 0.860837142265
 ratio = 44.907032961323 contacts = 929

N = 435

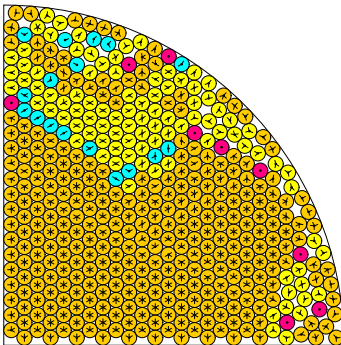
435 circles in a circular quadrant



radius = 0.022253489188 density = 0.861678939020
 ratio = 44.936773354787 contacts = 776

N = 436

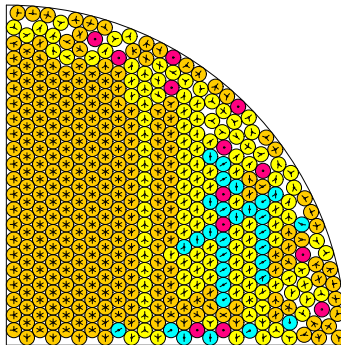
436 circles in a circular quadrant



radius = 0.02217961917 density = 0.860904378571
 ratio = 45.008628772330 contacts = 1031

N = 437

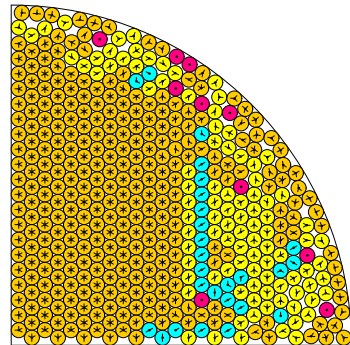
437 circles in a circular quadrant



radius = 0.022191470786 density = 0.86082484656
 ratio = 45.062357949463 contacts = 978

N = 438

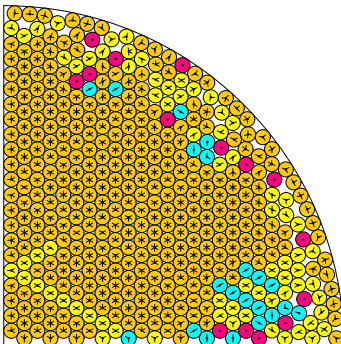
438 circles in a circular quadrant



radius = 0.022172320004 density = 0.861303828665
 ratio = 45.101279405396 contacts = 1019

N = 439

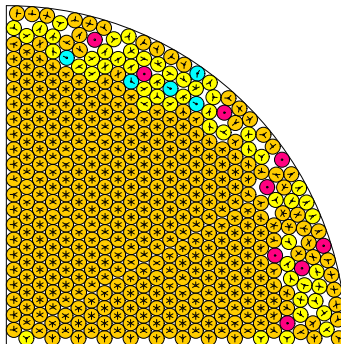
439 circles in a circular quadrant



radius = 0.022140018883 density = 0.860756845860
 ratio = 45.167079813302 contacts = 1010

N = 440

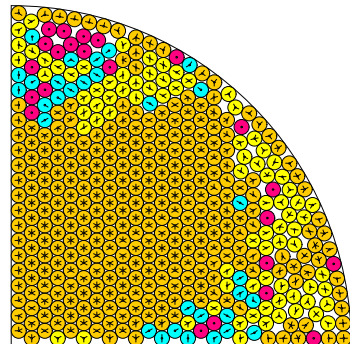
440 circles in a circular quadrant



radius = 0.02219219010 density = 0.861097335292
 ratio = 45.209552813003 contacts = 1093

N = 441

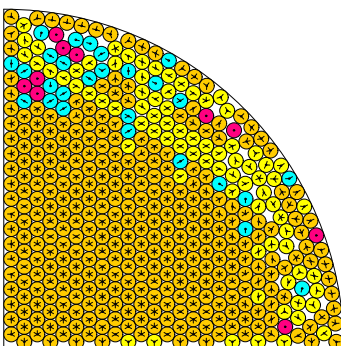
441 circles in a circular quadrant



radius = 0.022103197140 density = 0.861804535211
 ratio = 45.242323708191 contacts = 962

N = 442

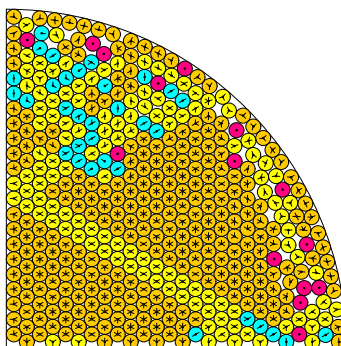
442 circles in a circular quadrant



radius = 0.022080870678 density = 0.862014654619
 ratio = 45.288069233485 contacts = 995

N = 443

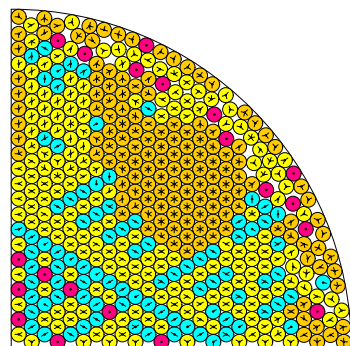
443 circles in a circular quadrant



radius = 0.022058132420 density = 0.862186456770
 ratio = 45.334793684742 contacts = 939

N = 444

444 circles in a circular quadrant



radius = 0.022025855149 density = 0.861605612025
 ratio = 45.401188431519 contacts = 800