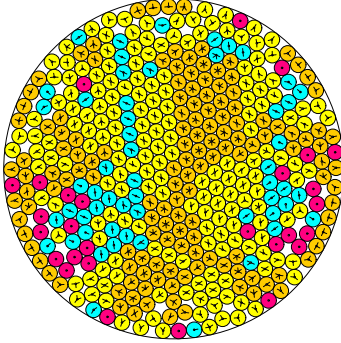


N = 409

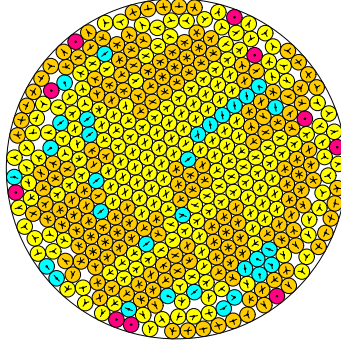
409 circles in a circle



radius = 0.045686348359 density = 0.853682152403  
 ratio = 21.888376630716 contacts = 703

N = 410

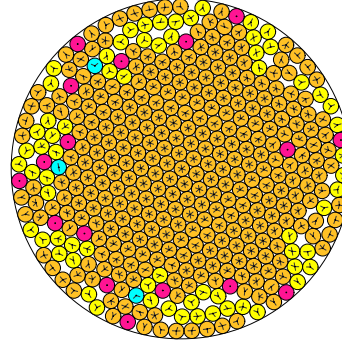
410 circles in a circle



radius = 0.045616661337 density = 0.853160714544  
 ratio = 21.921814764207 contacts = 781

N = 411

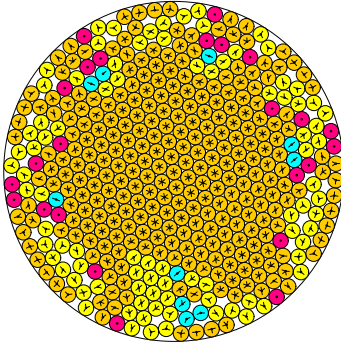
411 circles in a circle



radius = 0.045582687310 density = 0.853968148167  
 ratio = 21.938153694168 contacts = 939

N = 412

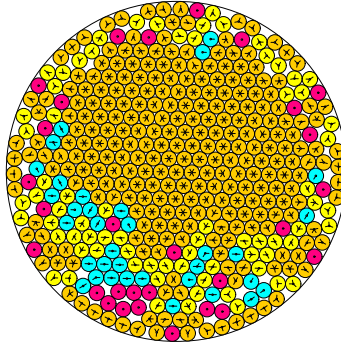
412 circles in a circle



radius = 0.045537088134 density = 0.854333962459  
 ratio = 21.960123206485 contacts = 899

N = 413

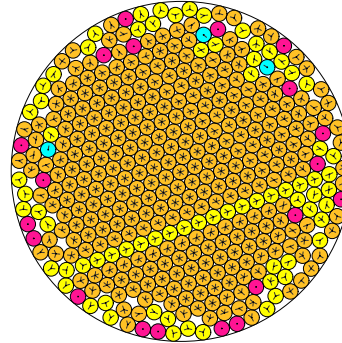
413 circles in a circle



radius = 0.045480851715 density = 0.854293751440  
 ratio = 21.987275134227 contacts = 947

N = 414

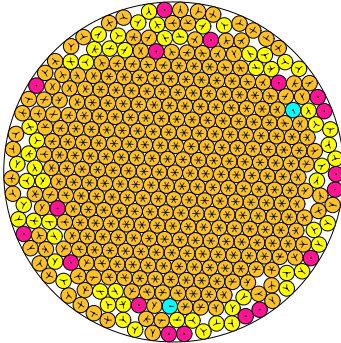
414 circles in a circle



radius = 0.045443027237 density = 0.854938451928  
 ratio = 22.005976203013 contacts = 993

N = 415

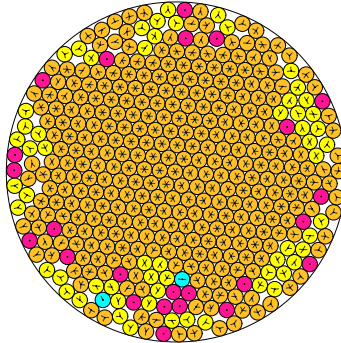
415 circles in a circle



radius = 0.045256894153 density = 0.856141943781  
 ratio = 22.016027184142 contacts = 1004

N = 416

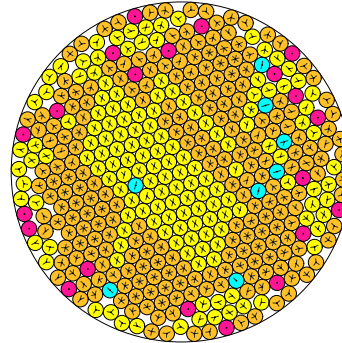
416 circles in a circle



radius = 0.045345499188 density = 0.855385147389  
 ratio = 22.05290511801 contacts = 926

N = 417

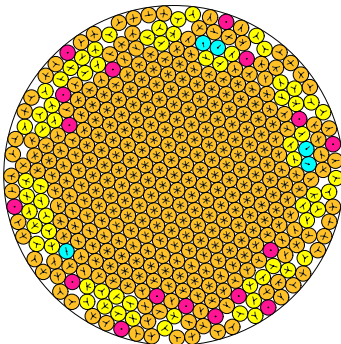
417 circles in a circle



radius = 0.045305463570 density = 0.855927957203  
 ratio = 22.072393067165 contacts = 836

N = 418

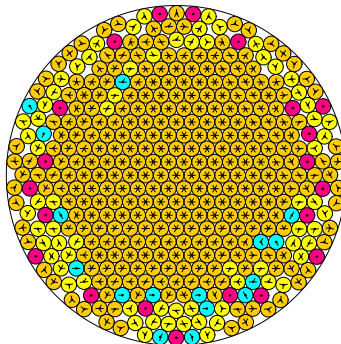
418 circles in a circle



radius = 0.045256894153 density = 0.856141943781  
 ratio = 22.096081021806 contacts = 964

N = 419

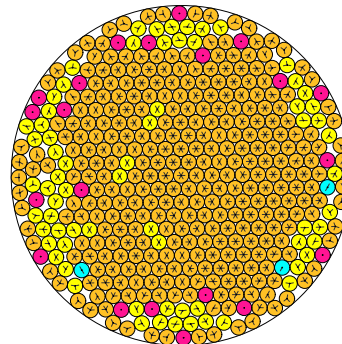
419 circles in a circle



radius = 0.045210693948 density = 0.856438868990  
 ratio = 22.118660712372 contacts = 923

N = 420

420 circles in a circle



radius = 0.045176640882 density = 0.857190130180  
 ratio = 22.135333227009 contacts = 924