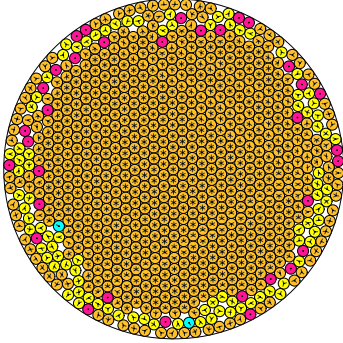


N = 818

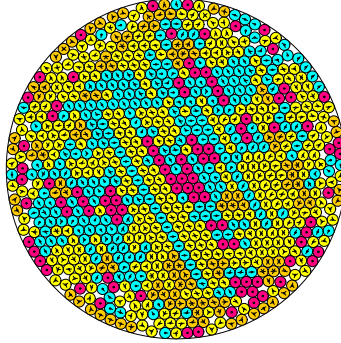
818 circles in a circle



radius = 0.032554064067 density = 0.866889477394
 ratio = 30.718130858927 contacts = 1994

N = 819

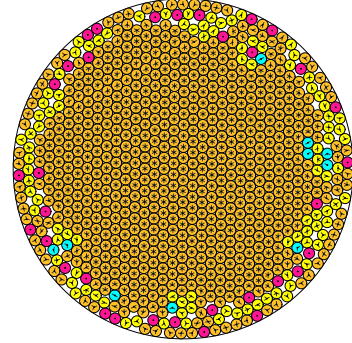
819 circles in a circle



radius = 0.032533203932 density = 0.866837264275
 ratio = 30.73782717627 contacts = 1098

N = 820

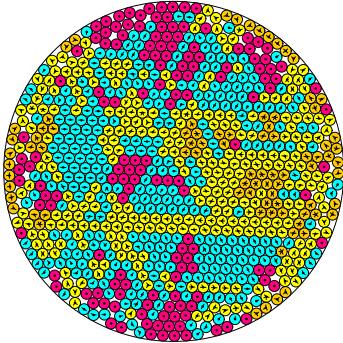
820 circles in a circle



radius = 0.032521400071 density = 0.867265999314
 ratio = 30.748983678957 contacts = 2031

N = 821

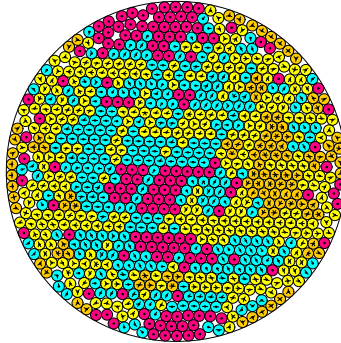
821 circles in a circle



radius = 0.032480911681 density = 0.866129009796
 ratio = 30.787313171329 contacts = 948

N = 822

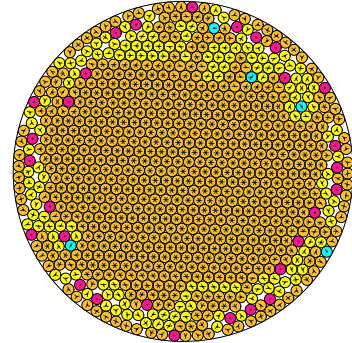
822 circles in a circle



radius = 0.032476382630 density = 0.866976082413
 ratio = 30.751606669829 contacts = 988

N = 823

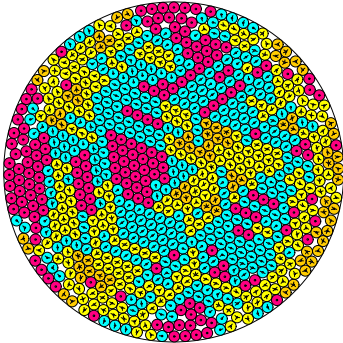
823 circles in a circle



radius = 0.032477288333 density = 0.868079213894
 ratio = 30.780747975837 contacts = 1987

N = 824

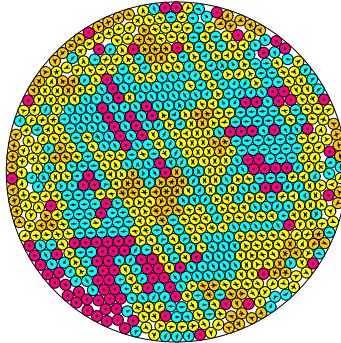
824 circles in a circle



radius = 0.032436701420 density = 0.866963029606
 ratio = 30.829278364327 contacts = 903

N = 825

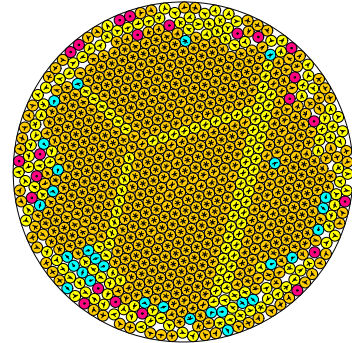
825 circles in a circle



radius = 0.03241753009 density = 0.866680429814
 ratio = 30.853006689838 contacts = 1042

N = 826

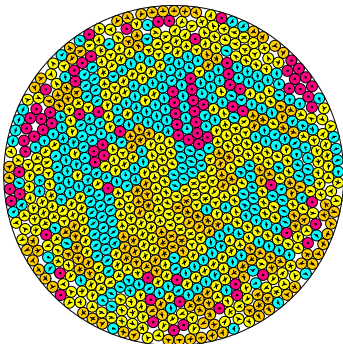
826 circles in a circle



radius = 0.032395954537 density = 0.866885240945
 ratio = 30.868051714399 contacts = 1894

N = 827

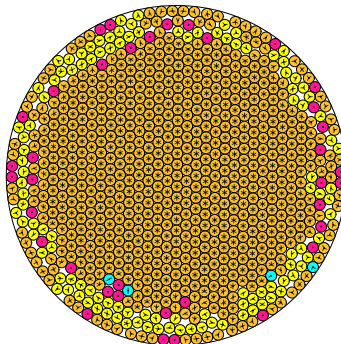
827 circles in a circle



radius = 0.032374321249 density = 0.866775951307
 ratio = 30.888678478251 contacts = 1155

N = 828

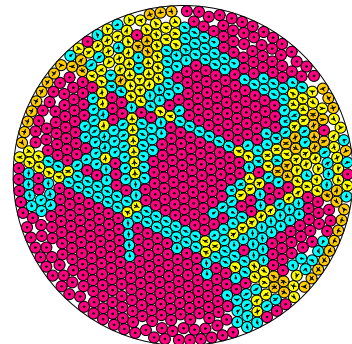
828 circles in a circle



radius = 0.032371254734 density = 0.867659654168
 ratio = 30.891604549072 contacts = 2064

N = 829

829 circles in a circle



radius = 0.032340269022 density = 0.867045297367
 ratio = 30.921202272836 contacts = 503