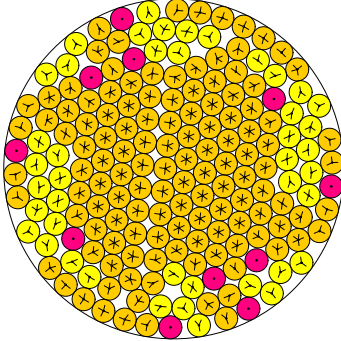


N = 181

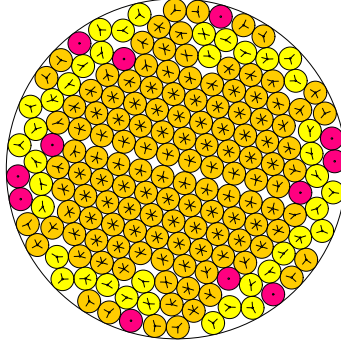
181 circles in a circle



radius = 0.067655200908 density = 0.828477943994
 ratio = 14.780829656518 contacts = 386

N = 182

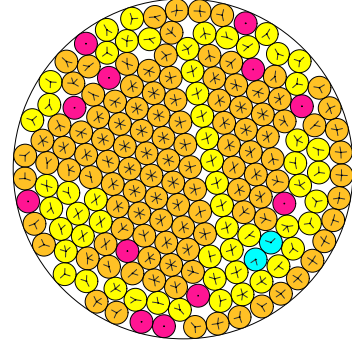
182 circles in a circle



radius = 0.067481252520 density = 0.828776938392
 ratio = 14.818930631122 contacts = 400

N = 183

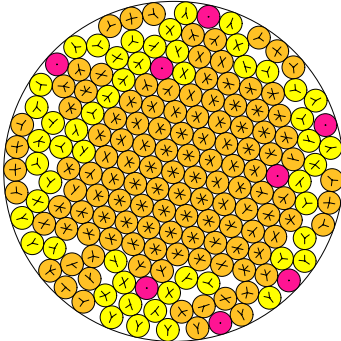
183 circles in a circle



radius = 0.067269077945 density = 0.828098628346
 ratio = 14.865670837443 contacts = 369

N = 184

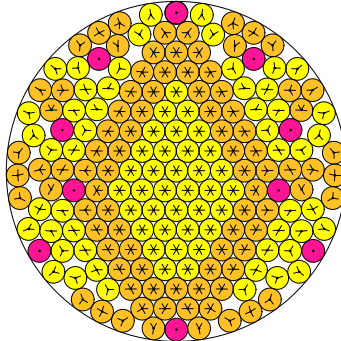
184 circles in a circle



radius = 0.067089697154 density = 0.828189053414
 ratio = 14.905418306477 contacts = 389

N = 185

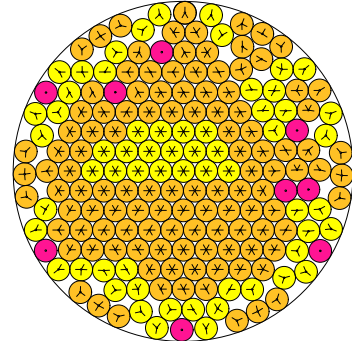
185 circles in a circle



radius = 0.066942716851 density = 0.82904557788
 ratio = 14.938144835469 contacts = 410

N = 186

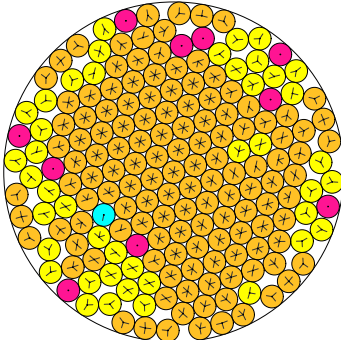
186 circles in a circle



radius = 0.066839622277 density = 0.830961529743
 ratio = 14.961189564959 contacts = 406

N = 187

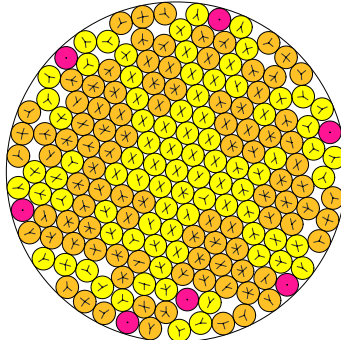
187 circles in a circle



radius = 0.066715116294 density = 0.832319560777
 ratio = 14.989106750458 contacts = 400

N = 188

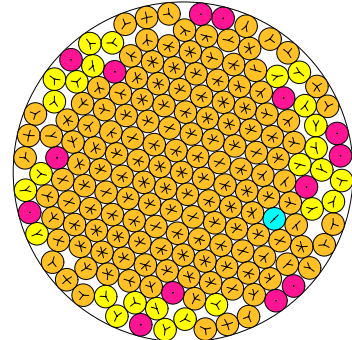
188 circles in a circle



radius = 0.066559130278 density = 0.832617011333
 ratio = 15.028750688835 contacts = 362

N = 189

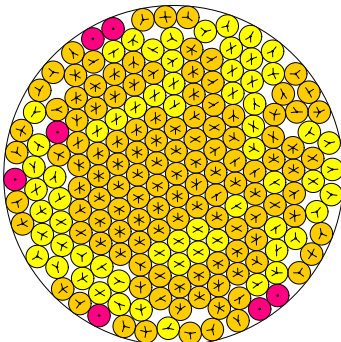
189 circles in a circle



radius = 0.066360966590 density = 0.832314020588
 ratio = 15.069099372587 contacts = 390

N = 190

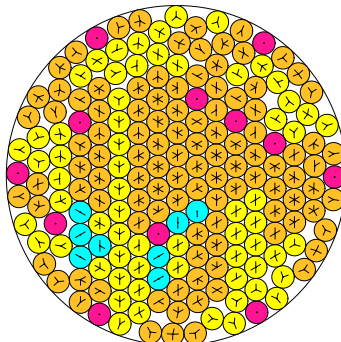
190 circles in a circle



radius = 0.066209373950 density = 0.832899427780
 ratio = 15.103601504664 contacts = 385

N = 191

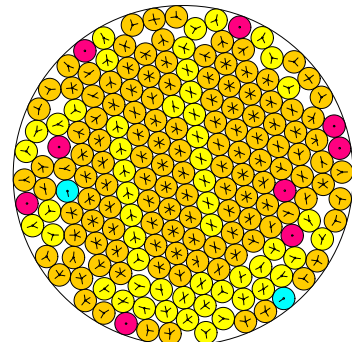
191 circles in a circle



radius = 0.066039914806 density = 0.833002636394
 ratio = 15.142397511121 contacts = 361

N = 192

192 circles in a circle



radius = 0.065922032429 density = 0.834377157042
 ratio = 15.169435212336 contacts = 394