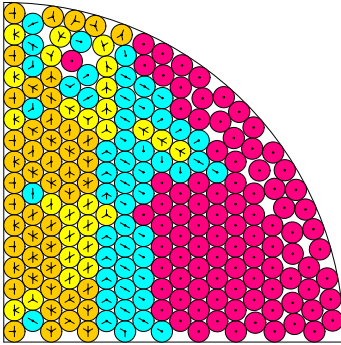


N = 217

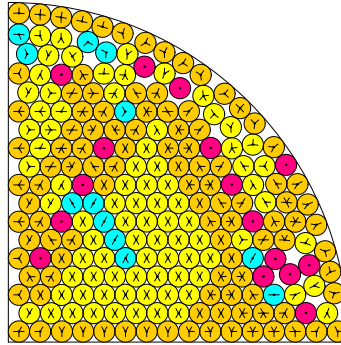
217 circles in a circular quadrant



radius = 0.031234288981 density = 0.846804141492
 ratio = 32.016096175487 contacts = 193

N = 218

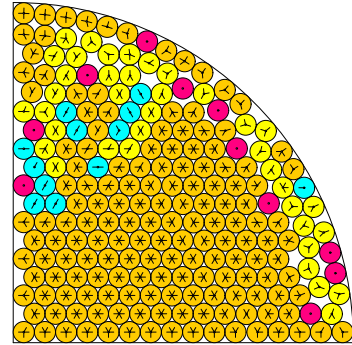
218 circles in a circular quadrant



radius = 0.031172934296 density = 0.847367598065
 ratio = 32.079110374855 contacts = 391

N = 219

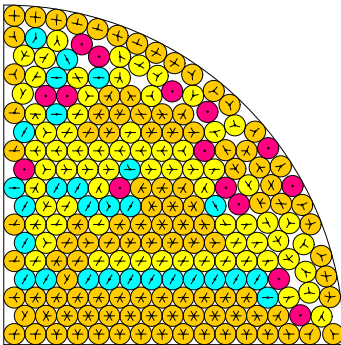
219 circles in a circular quadrant



radius = 0.031117914618 density = 0.848252358492
 ratio = 32.135829546652 contacts = 492

N = 220

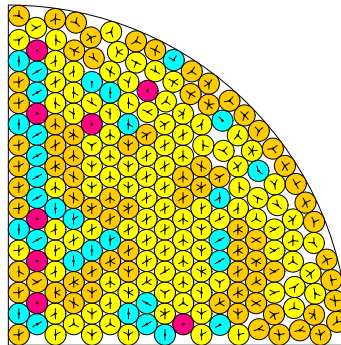
220 circles in a circular quadrant



radius = 0.031034642600 density = 0.847971156334
 ratio = 32.2202056264666 contacts = 411

N = 221

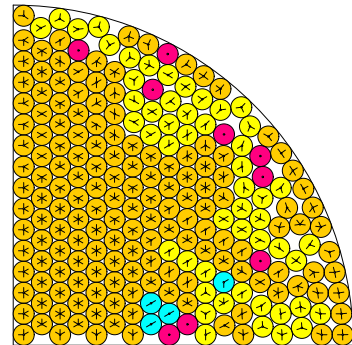
221 circles in a circular quadrant



radius = 0.030945798183 density = 0.846555903874
 ratio = 32.314564778049 contacts = 388

N = 222

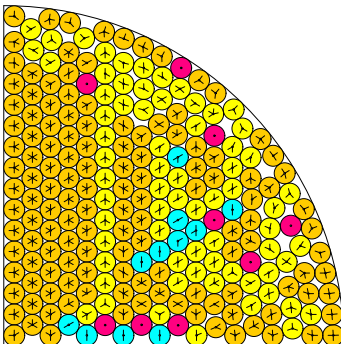
222 circles in a circular quadrant



radius = 0.030867124486 density = 0.846068084125
 ratio = 32.3969276912058 contacts = 481

N = 223

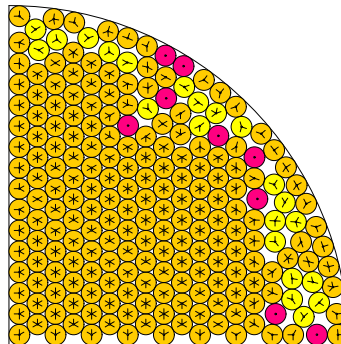
223 circles in a circular quadrant



radius = 0.0308062108468 density = 0.846302738390
 ratio = 32.465309997586 contacts = 458

N = 224

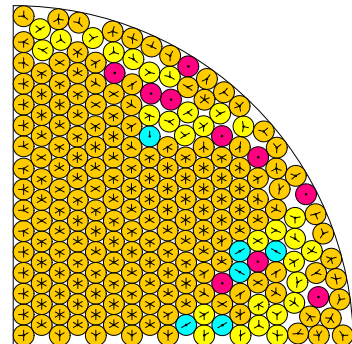
224 circles in a circular quadrant



radius = 0.030713010891 density = 0.84522872160
 ratio = 32.559490945238 contacts = 537

N = 225

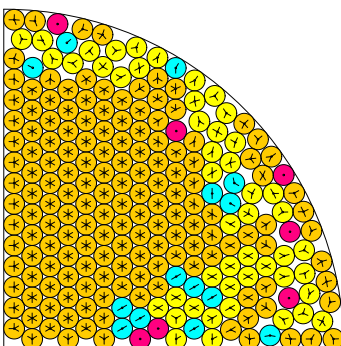
225 circles in a circular quadrant



radius = 0.030638415845 density = 0.844841272949
 ratio = 32.638763213305 contacts = 504

N = 226

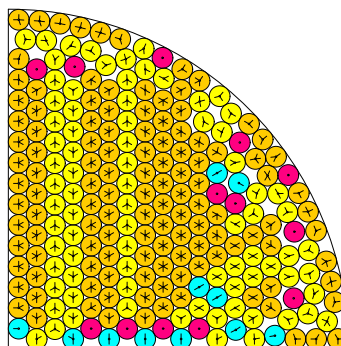
226 circles in a circular quadrant



radius = 0.030544239679 density = 0.84387322115
 ratio = 32.739397363074 contacts = 522

N = 227

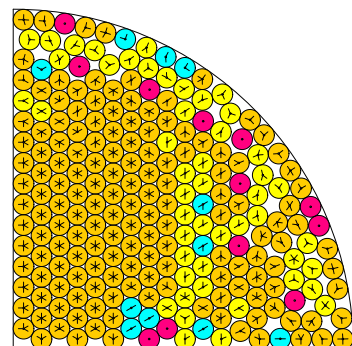
227 circles in a circular quadrant



radius = 0.030491980461 density = 0.844222872160
 ratio = 32.795508356209 contacts = 463

N = 228

228 circles in a circular quadrant



radius = 0.030446503182 density = 0.845414275087
 ratio = 32.844494292823 contacts = 493