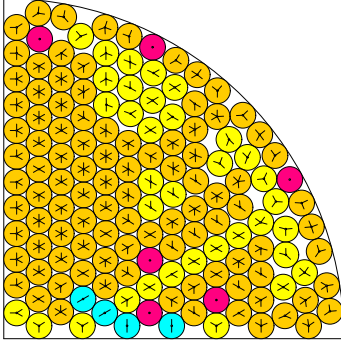


N = 145

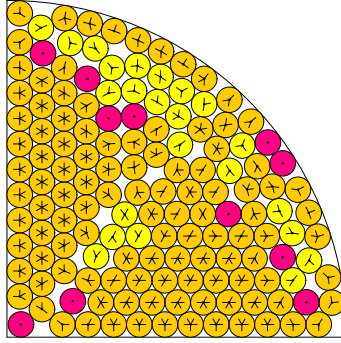
145 circles in a circular quadrant



radius = 0.037880672872 density = 0.832268318811  
 ratio = 26.398686300270 contacts = 299

N = 146

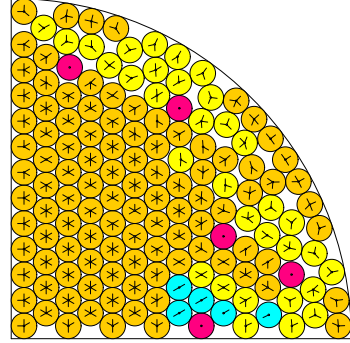
146 circles in a circular quadrant



radius = 0.037738946287 density = 0.831749191027  
 ratio = 26.497825148696 contacts = 305

N = 147

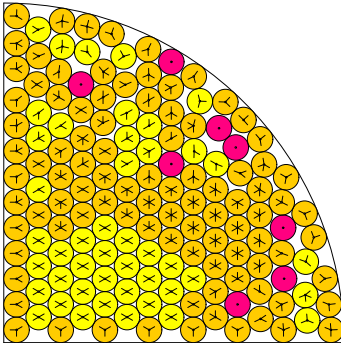
147 circles in a circular quadrant



radius = 0.037613632038 density = 0.831893765282  
 ratio = 26.586105776337 contacts = 324

N = 148

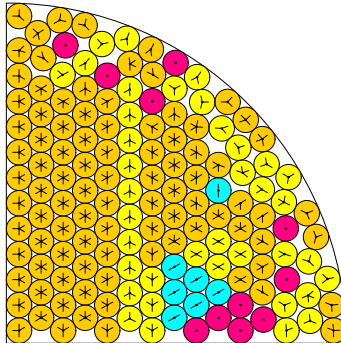
148 circles in a circular quadrant



radius = 0.037522960169 density = 0.833519743584  
 ratio = 26.650364926010 contacts = 293

N = 149

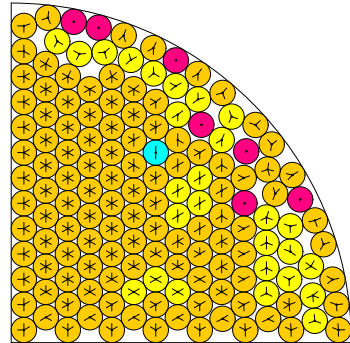
149 circles in a circular quadrant



radius = 0.037419959581 density = 0.834551011548  
 ratio = 26.723706043090 contacts = 314

N = 150

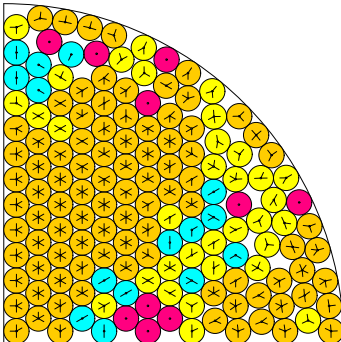
150 circles in a circular quadrant



radius = 0.037303294975 density = 0.834921471700  
 ratio = 26.807283683294 contacts = 332

N = 151

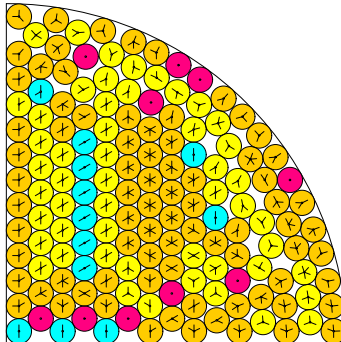
151 circles in a circular quadrant



radius = 0.037201000479 density = 0.835884319724  
 ratio = 26.880997476615 contacts = 301

N = 152

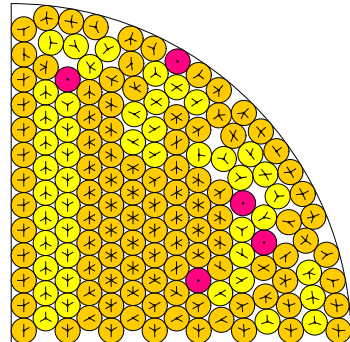
152 circles in a circular quadrant



radius = 0.037057268901 density = 0.834530616472  
 ratio = 26.985259023518 contacts = 282

N = 153

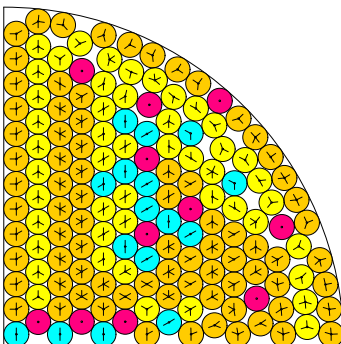
153 circles in a circular quadrant



radius = 0.036965928717 density = 0.836285690171  
 ratio = 27.051937681835 contacts = 318

N = 154

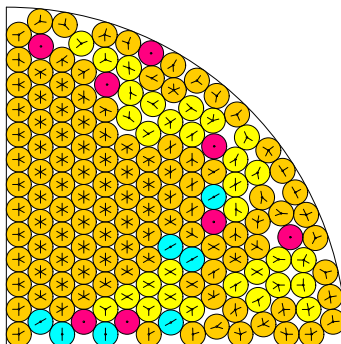
154 circles in a circular quadrant



radius = 0.036864786419 density = 0.837151686276  
 ratio = 27.126157429297 contacts = 279

N = 155

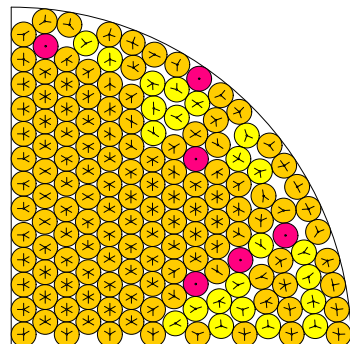
155 circles in a circular quadrant



radius = 0.036754827769 density = 0.837568765894  
 ratio = 27.207310187349 contacts = 334

N = 156

156 circles in a circular quadrant



radius = 0.036588801077 density = 0.835373987310  
 ratio = 27.330767080495 contacts = 346