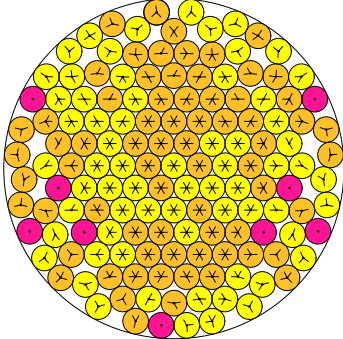


N = 145

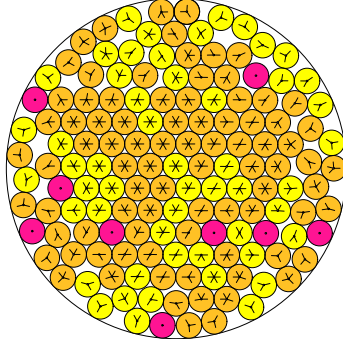
145 circles in a circle



radius = 0.075320099332 density = 0.822602017692  
 ratio = 13.27666829863 contacts = 308

N = 146

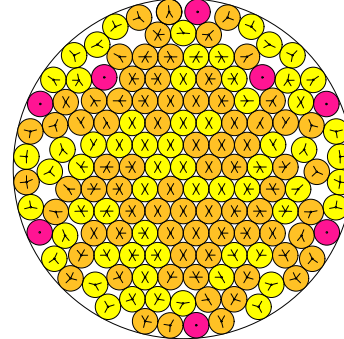
146 circles in a circle



radius = 0.07501811915 density = 0.821508701301  
 ratio = 13.331233768057 contacts = 298

N = 147

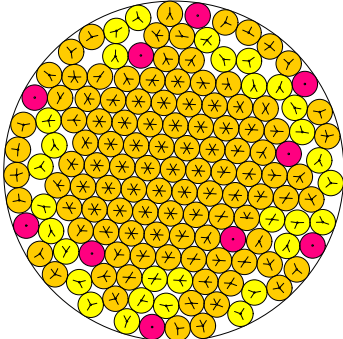
147 circles in a circle



radius = 0.074866480342 density = 0.823933512175  
 ratio = 13.357112494628 contacts = 283

N = 148

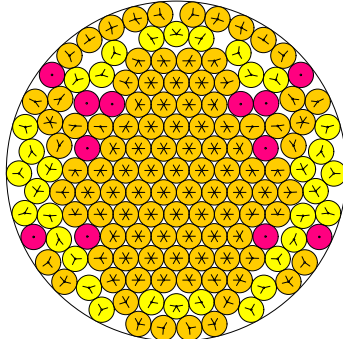
148 circles in a circle



radius = 0.074699673575 density = 0.828846102371  
 ratio = 13.386939395149 contacts = 310

N = 149

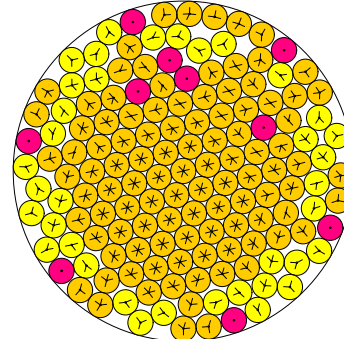
149 circles in a circle



radius = 0.074629413778 density = 0.825420907662  
 ratio = 13.432548953285 contacts = 314

N = 150

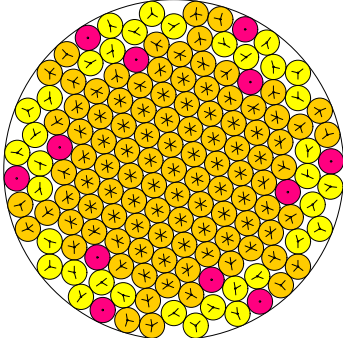
150 circles in a circle



radius = 0.074289754450 density = 0.827845142439  
 ratio = 13.460806370970 contacts = 312

N = 151

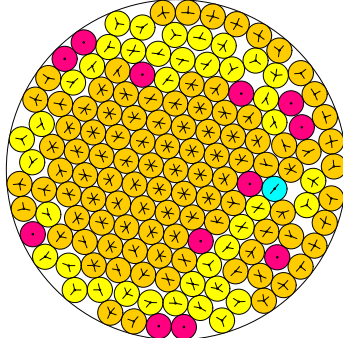
151 circles in a circle



radius = 0.074206944313 density = 0.831462370607  
 ratio = 13.476191508334 contacts = 330

N = 152

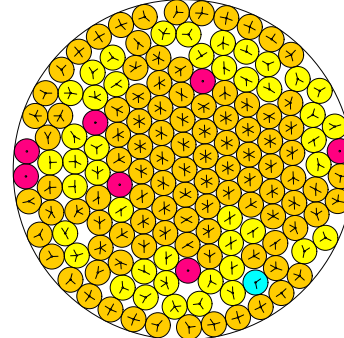
152 circles in a circle



radius = 0.073900225254 density = 0.830108990468  
 ratio = 13.51758483366 contacts = 302

N = 153

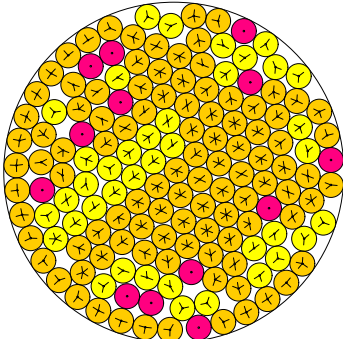
153 circles in a circle



radius = 0.073575197788 density = 0.828236388628  
 ratio = 13.59153687087 contacts = 307

N = 154

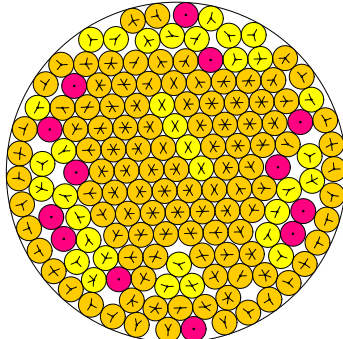
154 circles in a circle



radius = 0.073327659016 density = 0.828049618813  
 ratio = 13.637418859744 contacts = 291

N = 155

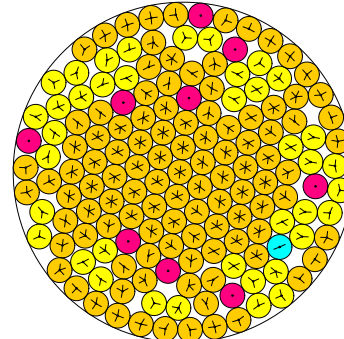
155 circles in a circle



radius = 0.073133048707 density = 0.829008636033  
 ratio = 13.673708640433 contacts = 302

N = 156

156 circles in a circle



radius = 0.072888422191 density = 0.828784645953  
 ratio = 13.719600039971 contacts = 312