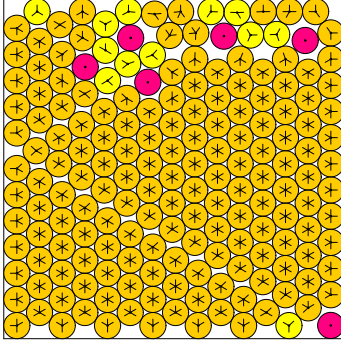


N = 181

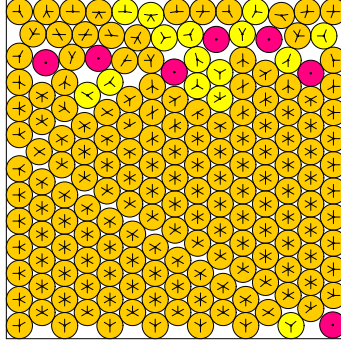
181 circles in a square



radius = 0.038482824780 density = 0.842097415070  
 ratio = 25.985618408380 contacts = 465

N = 182

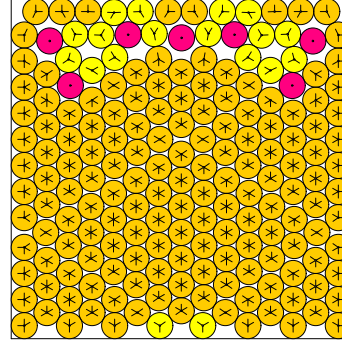
182 circles in a square



radius = 0.038417680974 density = 0.843885553461  
 ratio = 26.029681507437 contacts = 445

N = 183

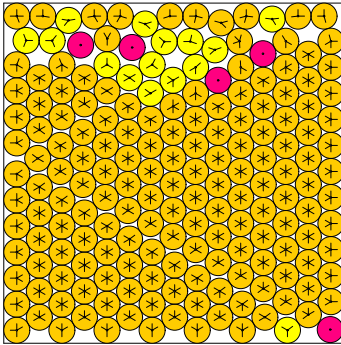
183 circles in a square



radius = 0.038354807406 density = 0.845747212522  
 ratio = 26.072350968136 contacts = 445

N = 184

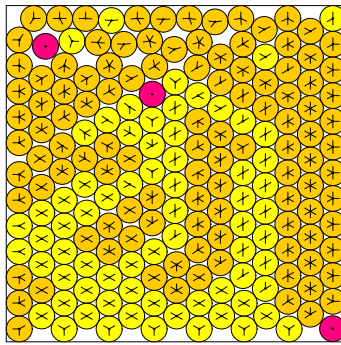
184 circles in a square



radius = 0.038281672786 density = 0.847128921923  
 ratio = 26.122160480976 contacts = 474

N = 185

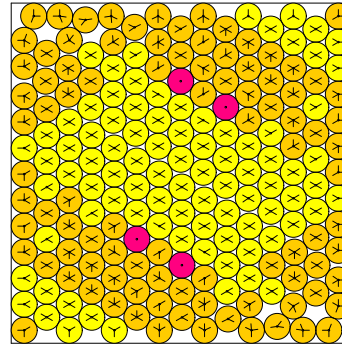
185 circles in a square



radius = 0.038245248837 density = 0.850112854134  
 ratio = 26.149703862509 contacts = 395

N = 186

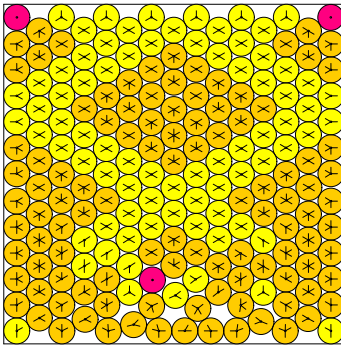
186 circles in a square



radius = 0.038233890381 density = 0.854200454647  
 ratio = 26.154806378430 contacts = 374

N = 187

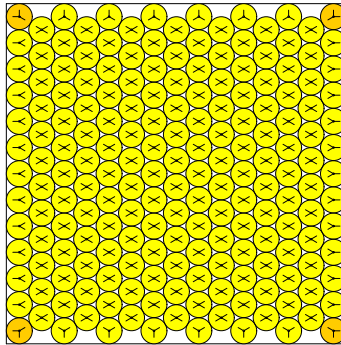
187 circles in a square



radius = 0.037695999979 density = 0.848191680666  
 ratio = 26.177280971656 contacts = 399

N = 188

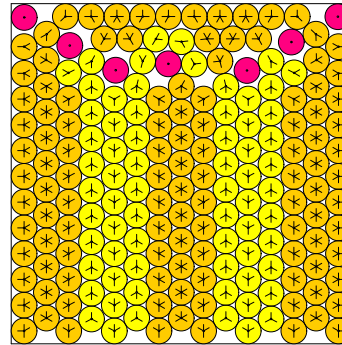
188 circles in a square



radius = 0.03784623136 density = 0.861342129510  
 ratio = 26.185809225156 contacts = 378

N = 189

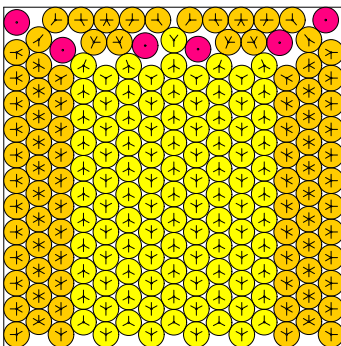
189 circles in a square



radius = 0.037866552704 density = 0.851379553528  
 ratio = 26.408530182818 contacts = 429

N = 190

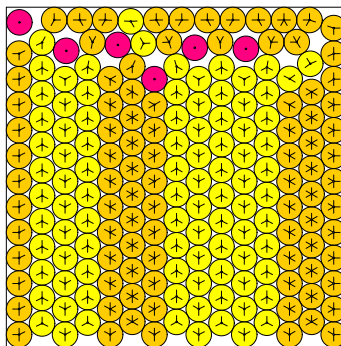
190 circles in a square



radius = 0.037695999979 density = 0.848191680666  
 ratio = 26.528013597303 contacts = 421

N = 191

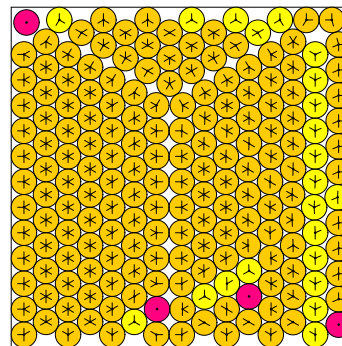
191 circles in a square



radius = 0.037544127565 density = 0.845799206937  
 ratio = 26.635323946841 contacts = 417

N = 192

192 circles in a square



radius = 0.037444335367 density = 0.845713676813  
 ratio = 26.706309250565 contacts = 461