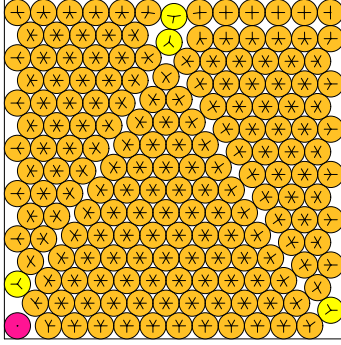


N = 181

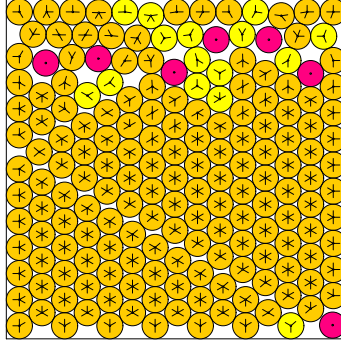
181 circles in a square



radius = 0.038498170228 density = 0.842769140108
ratio = 25.975260488752 contacts = 493

N = 182

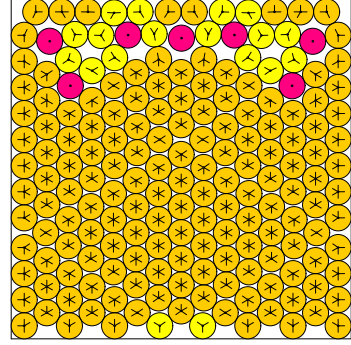
182 circles in a square



radius = 0.038417680974 density = 0.84388553461
ratio = 26.029681507437 contacts = 445

N = 183

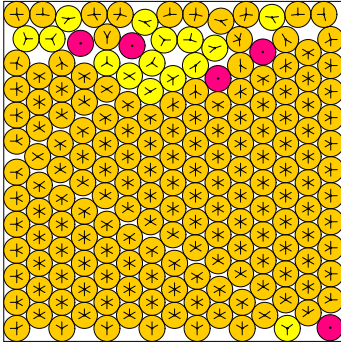
183 circles in a square



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

N = 184

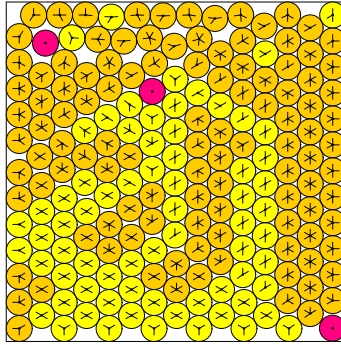
184 circles in a square



radius = 0.038281672786 density = 0.847128921923
ratio = 26.122160480976 contacts = 471

N = 185

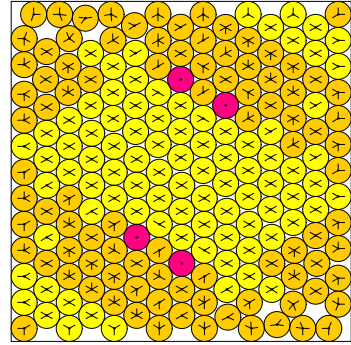
185 circles in a square



radius = 0.038245248837 density = 0.850112854134
ratio = 26.147038662509 contacts = 395

N = 186

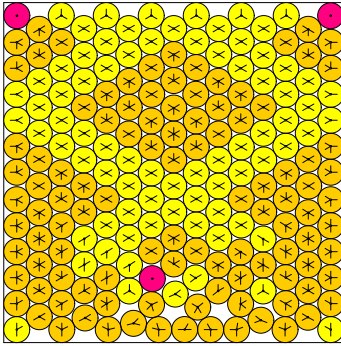
186 circles in a square



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

N = 187

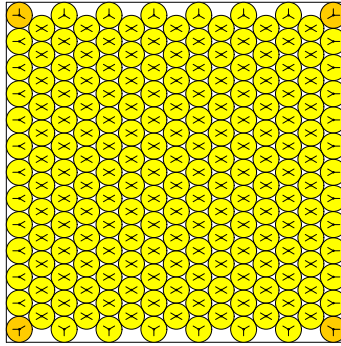
187 circles in a square



radius = 0.037695999979 density = 0.857318924081
ratio = 26.177280971656 contacts = 399

N = 188

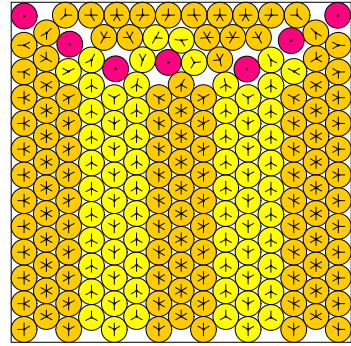
188 circles in a square



radius = 0.037544127565 density = 0.861342195310
ratio = 26.185809225156 contacts = 378

N = 189

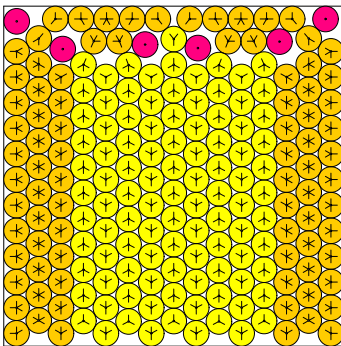
189 circles in a square



radius = 0.037866552704 density = 0.851379535328
ratio = 26.408530182918 contacts = 429

N = 190

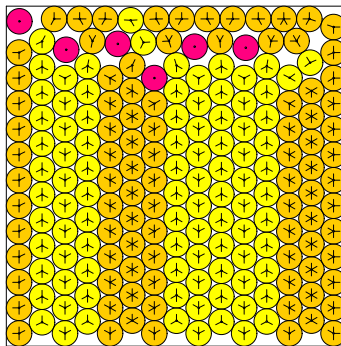
190 circles in a square



radius = 0.037695999979 density = 0.848191685066
ratio = 26.528013597303 contacts = 421

N = 191

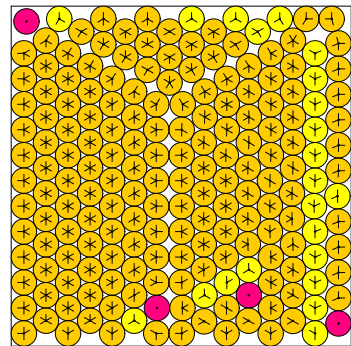
191 circles in a square



radius = 0.037544127565 density = 0.845799206937
ratio = 26.63532946841 contacts = 417

N = 192

192 circles in a square



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