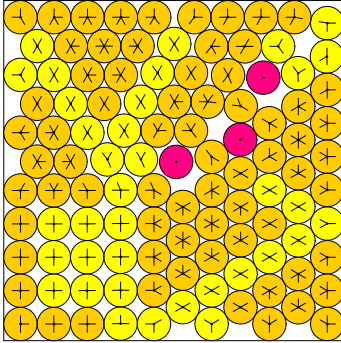


N = 109

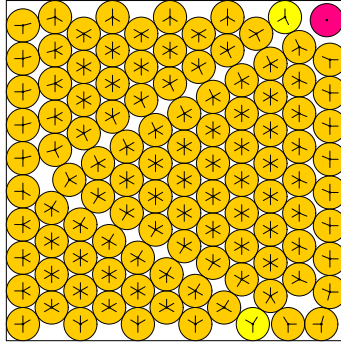
109 circles in a square



radius = 0.049060056454 density = 0.824199710946
 ratio = 20.383180784367 contacts = 238

N = 110

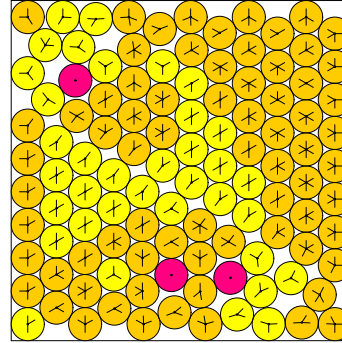
110 circles in a square



radius = 0.048779469321 density = 0.82274269044
 ratio = 20.500428026984 contacts = 285

N = 111

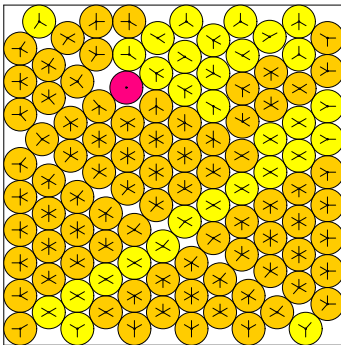
111 circles in a square



radius = 0.048643936345 density = 0.825145003927
 ratio = 20.557546842294 contacts = 225

N = 112

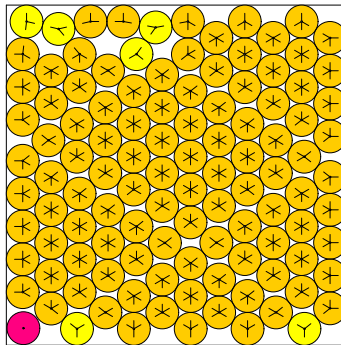
112 circles in a square



radius = 0.048445405903 density = 0.825796605619
 ratio = 20.641792165122 contacts = 261

N = 113

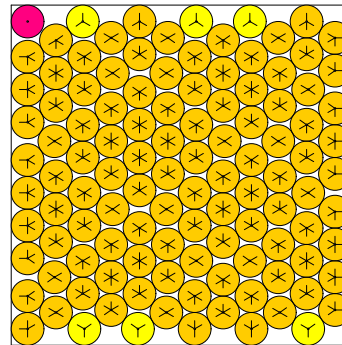
113 circles in a square



radius = 0.048257588494 density = 0.822722100561
 ratio = 20.7212129358934 contacts = 287

N = 114

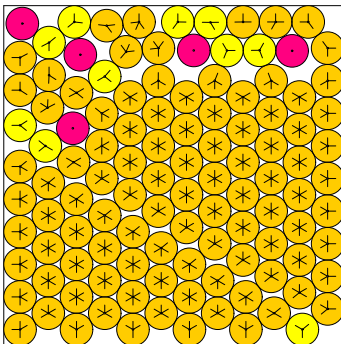
114 circles in a square



radius = 0.048167755522 density = 0.830935940404
 ratio = 20.7607763656752 contacts = 280

N = 115

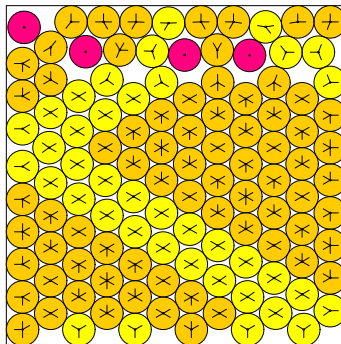
115 circles in a square



radius = 0.047914247537 density = 0.829424877813
 ratio = 20.870618895483 contacts = 282

N = 116

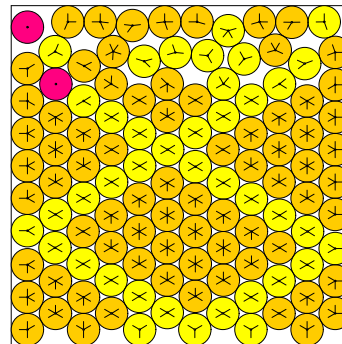
116 circles in a square



radius = 0.04775960994 density = 0.831814956319
 ratio = 20.931028475321 contacts = 249

N = 117

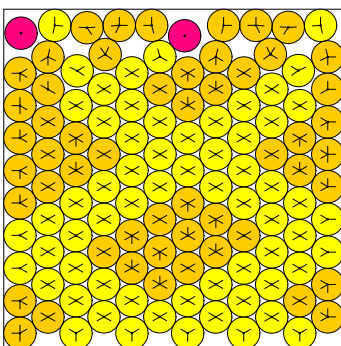
117 circles in a square



radius = 0.047643526600 density = 0.834340904499
 ratio = 20.989210315772 contacts = 262

N = 118

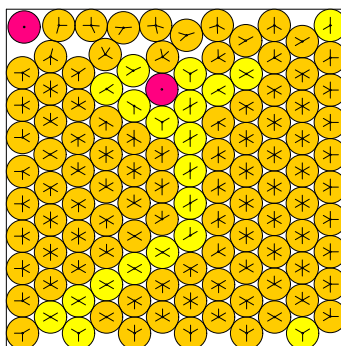
118 circles in a square



radius = 0.047572362680 density = 0.838960130139
 ratio = 21.020608261960 contacts = 245

N = 119

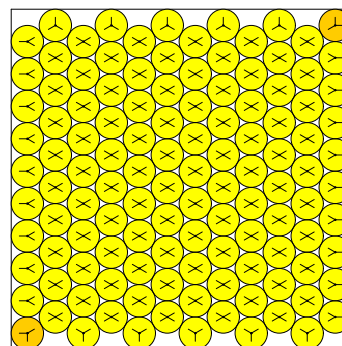
119 circles in a square



radius = 0.047544646218 density = 0.845084379636
 ratio = 21.032862362894 contacts = 284

N = 120

120 circles in a square



radius = 0.047529921591 density = 0.851658165016
 ratio = 21.039378280585 contacts = 241