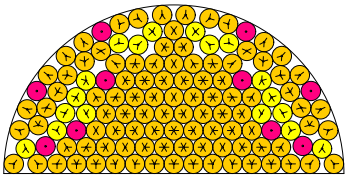
N = 127

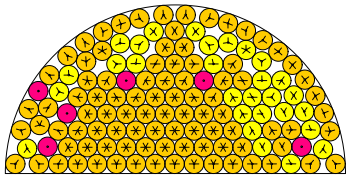
127 circles in a semicircle



radius = 0.057171156229 density = 0.830209440554
ratio = 17.491337694779 contacts = 262

N = 128

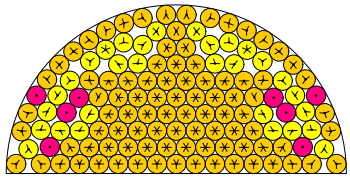
128 circles in a semicircle



radius = 0.057023696402 density = 0.832435699537
ratio = 17.536569235268 contacts = 279

N = 129

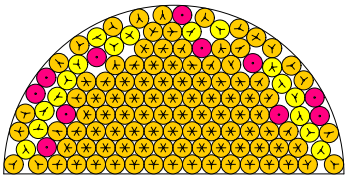
129 circles in a semicircle



radius = 0.056858450373 density = 0.834083911740
ratio = 17.587535246516 contacts = 283

N = 130

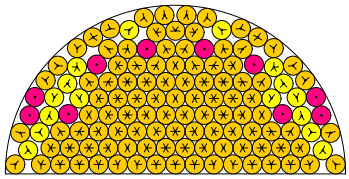
130 circles in a semicircle



radius = 0.056618980750 density = 0.833484335103
ratio = 17.661921616286 contacts = 295

N = 131

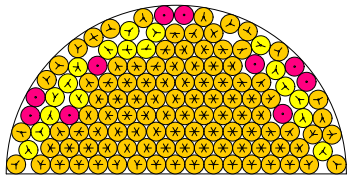
131 circles in a semicircle



radius = 0.056444896326 density = 0.834738896155
ratio = 17.716393599735 contacts = 282

N = 132

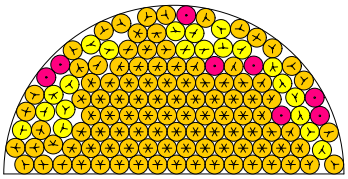
132 circles in a semicircle



radius = 0.056158328518 density = 0.832592075552
ratio = 17.806797787419 contacts = 295

N = 133

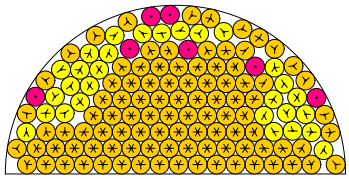
133 circles in a semicircle



radius = 0.055939287202 density = 0.832368224817
ratio = 17.876523817408 contacts = 305

N = 134

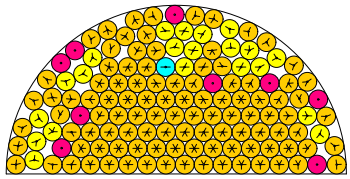
134 circles in a semicircle



radius = 0.055730684474 density = 0.832383663448
ratio = 17.943436536501 contacts = 310

N = 135

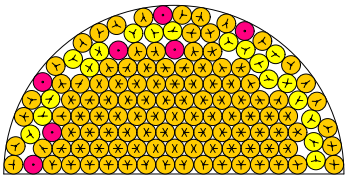
135 circles in a semicircle



radius = 0.055528166811 density = 0.832511873527
ratio = 18.008878330323 contacts = 291

N = 136

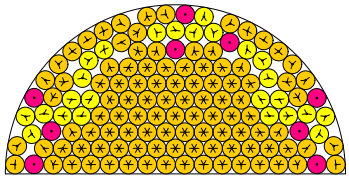
136 circles in a semicircle



radius = 0.055358822867 density = 0.833571001237
ratio = 18.063967913427 contacts = 300

N = 137

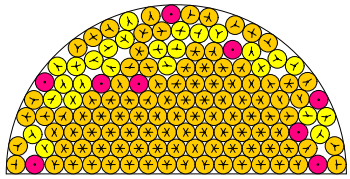
137 circles in a semicircle



radius = 0.055238484396 density = 0.836053503390
ratio = 18.103320736190 contacts = 310

N = 138

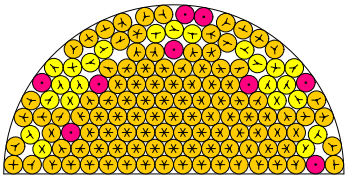
138 circles in a semicircle



radius = 0.055119941185 density = 0.838545384890
ratio = 18.142254481713 contacts = 301

N = 139

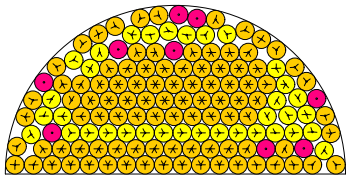
139 circles in a semicircle



radius = 0.054860827583 density = 0.836099492044
ratio = 18.227942305392 contacts = 306

N = 140

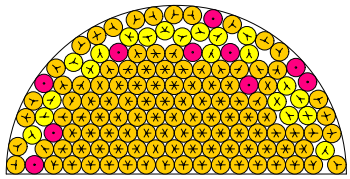
140 circles in a semicircle



radius = 0.054657786987 density = 0.836492629927
ratio = 18.295654747942 contacts = 302

N = 141

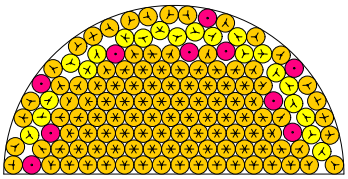
141 circles in a semicircle



radius = 0.054474270636 density = 0.836819817479
ratio = 18.357290301155 contacts = 311

N = 142

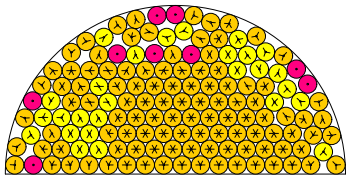
142 circles in a semicircle



radius = 0.054235525272 density = 0.835383785220
ratio = 18.438099289966 contacts = 326

N = 143

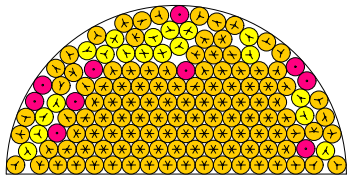
143 circles in a semicircle



radius = 0.054005084581 density = 0.834133059932
ratio = 18.516774999214 contacts = 312

N = 144

144 circles in a semicircle



radius = 0.053791339352 density = 0.833330358506
ratio = 18.590353243676 contacts = 331