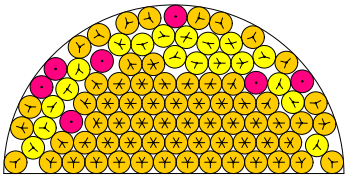
N = 91

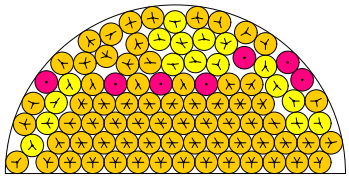
91 circles in a semicircle



radius = 0.067075539861 density = 0.818841304663
ratio = 14.908564315356 contacts = 201

N = 92

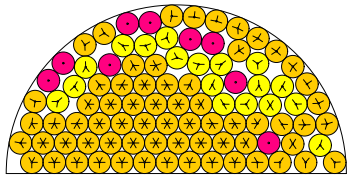
92 circles in a semicircle



radius = 0.066734287888 density = 0.819437593116
ratio = 14.984800642088 contacts = 191

N = 93

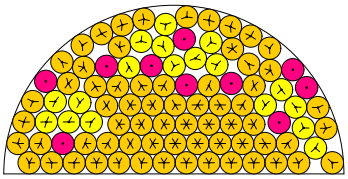
93 circles in a semicircle



radius = 0.066309736828 density = 0.817838502856
ratio = 15.080741499534 contacts = 197

N = 94

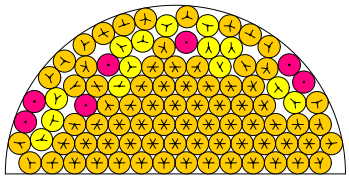
94 circles in a semicircle



radius = 0.065989864734 density = 0.818676502543
ratio = 15.153842245867 contacts = 186

N = 95

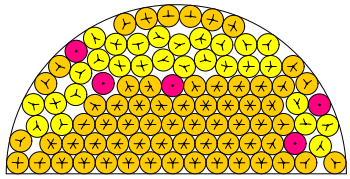
95 circles in a semicircle



radius = 0.065624461215 density = 0.818248282849
ratio = 15.238220344800 contacts = 213

N = 96

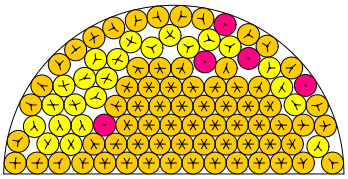
96 circles in a semicircle



radius = 0.065147868190 density = 0.814894988105
ratio = 15.349696433381 contacts = 205

N = 97

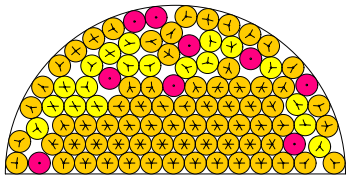
97 circles in a semicircle



radius = 0.064842120564 density = 0.815673116244
ratio = 15.422074282993 contacts = 215

N = 98

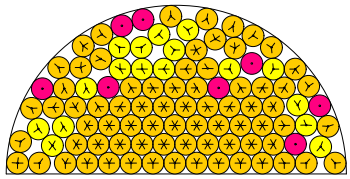
98 circles in a semicircle



radius = 0.064570058230 density = 0.817181314286
ratio = 15.487054331557 contacts = 201

N = 99

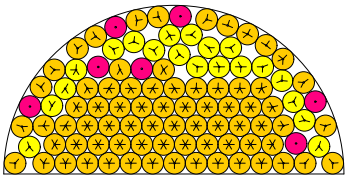
99 circles in a semicircle



radius = 0.064355159479 density = 0.820034137215
ratio = 15.538769666533 contacts = 212

N = 100

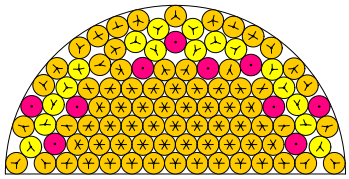
100 circles in a semicircle



radius = 0.064027617964 density = 0.819907172416
ratio = 15.618260241542 contacts = 223

N = 101

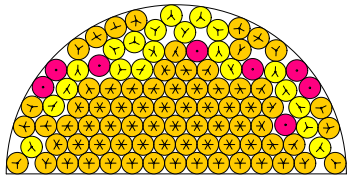
101 circles in a semicircle



radius = 0.063858713932 density = 0.823742939703
ratio = 15.659569985438 contacts = 214

N = 102

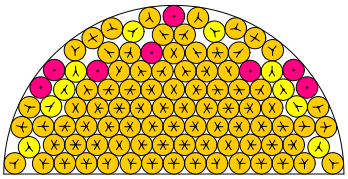
102 circles in a semicircle



radius = 0.063495074407 density = 0.822451392686
ratio = 15.749253140329 contacts = 227

N = 103

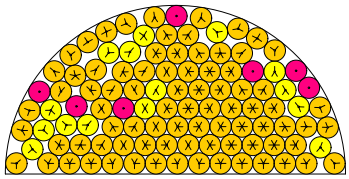
103 circles in a semicircle



radius = 0.063331902707 density = 0.8262515595505
ratio = 15.789830358073 contacts = 217

N = 104

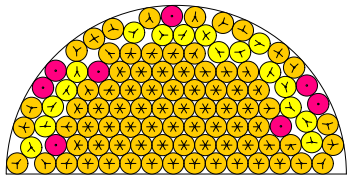
104 circles in a semicircle



radius = 0.062968389994 density = 0.824723772787
ratio = 15.880984095352 contacts = 218

N = 105

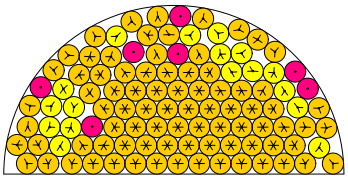
105 circles in a semicircle



radius = 0.062745134957 density = 0.826759911759
ratio = 15.937490622776 contacts = 238

N = 106

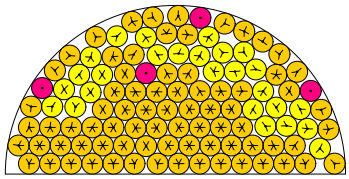
106 circles in a semicircle



radius = 0.062344645156 density = 0.824013213294
ratio = 16.039869943762 contacts = 236

N = 107

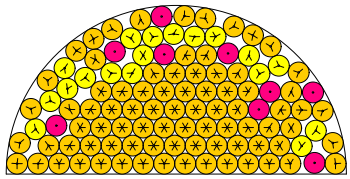
107 circles in a semicircle



radius = 0.061996918595 density = 0.822534233860
ratio = 16.129833912193 contacts = 234

N = 108

108 circles in a semicircle



radius = 0.061788945136 density = 0.824660728069
ratio = 16.184124810574 contacts = 237