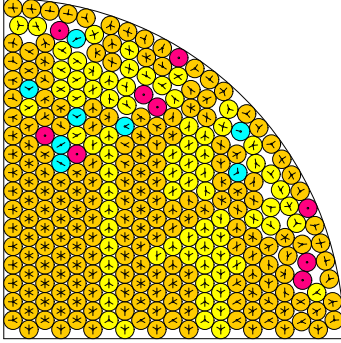


N = 289

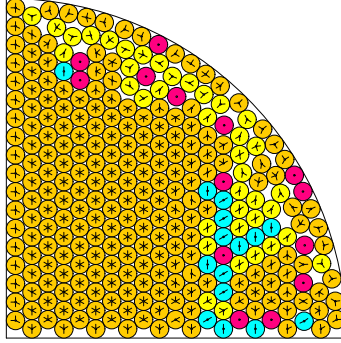
289 circles in a circular quadrant



radius = 0.027126285110 density = 0.850625657496  
 ratio = 36.864612900537 contacts = 610

N = 290

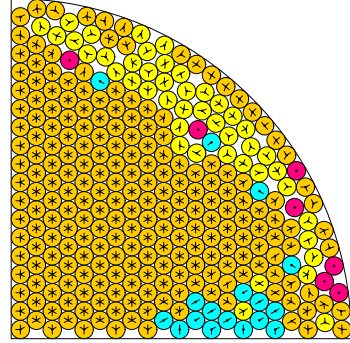
290 circles in a circular quadrant



radius = 0.027082617475 density = 0.850823076367  
 ratio = 36.924052888669 contacts = 656

N = 291

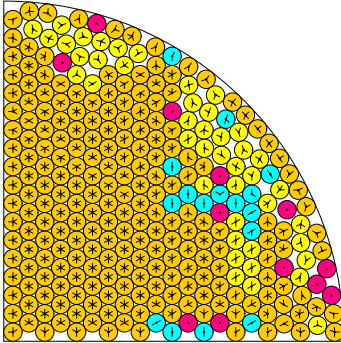
291 circles in a circular quadrant



radius = 0.027028451656 density = 0.850345299532  
 ratio = 36.998049785985 contacts = 701

N = 292

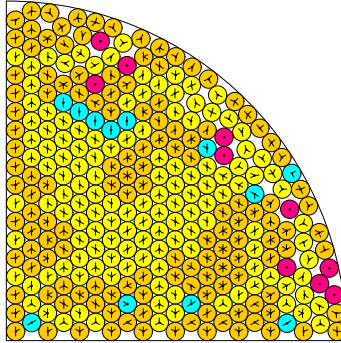
292 circles in a circular quadrant



radius = 0.027015153533 density = 0.852428031838  
 ratio = 37.016261957568 contacts = 665

N = 293

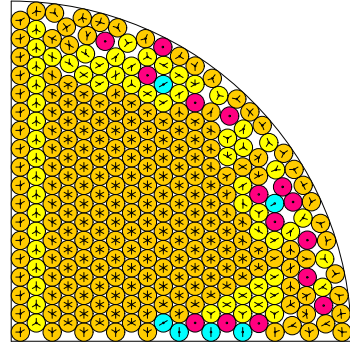
293 circles in a circular quadrant



radius = 0.026963393299 density = 0.852072805634  
 ratio = 37.087320164970 contacts = 658

N = 294

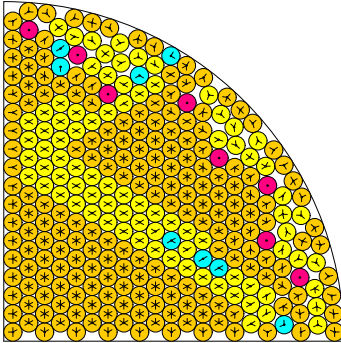
294 circles in a circular quadrant



radius = 0.026952779910 density = 0.85407957605  
 ratio = 37.101924930325 contacts = 674

N = 295

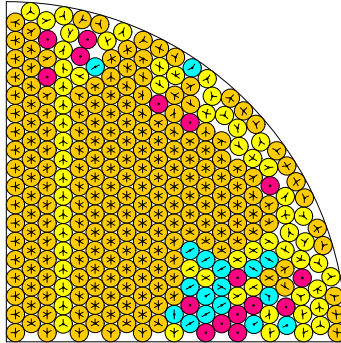
295 circles in a circular quadrant



radius = 0.026896282534 density = 0.853623816711  
 ratio = 37.17985928241 contacts = 664

N = 296

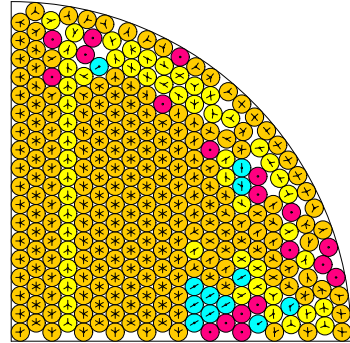
296 circles in a circular quadrant



radius = 0.026846311009 density = 0.85337707112  
 ratio = 37.249068504041 contacts = 668

N = 297

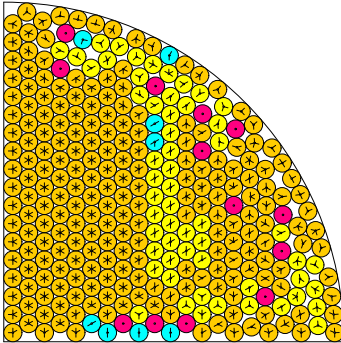
297 circles in a circular quadrant



radius = 0.026826984692 density = 0.854091233118  
 ratio = 37.275900049705 contacts = 649

N = 298

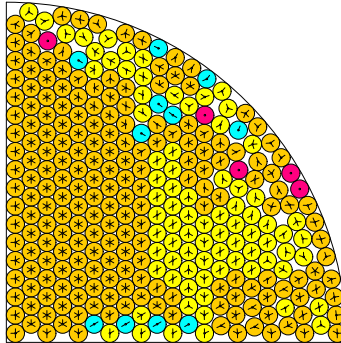
298 circles in a circular quadrant



radius = 0.026751887890 density = 0.853070898751  
 ratio = 37.380539426713 contacts = 673

N = 299

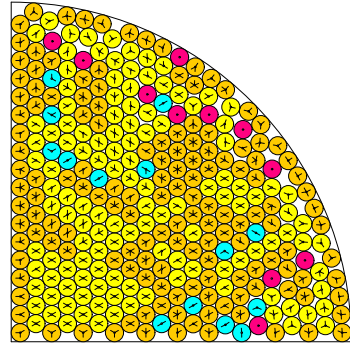
299 circles in a circular quadrant



radius = 0.026714210617 density = 0.853524262455  
 ratio = 37.433260310271 contacts = 681

N = 300

300 circles in a circular quadrant



radius = 0.026678506223 density = 0.854091233118  
 ratio = 37.48338013355 contacts = 569