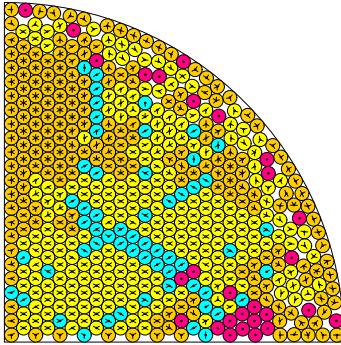


N = 505

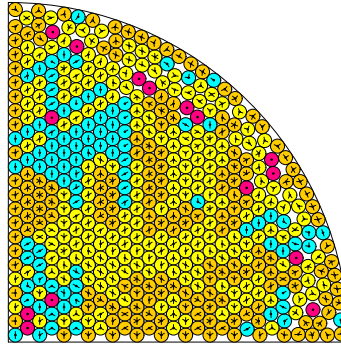
505 circles in a circular quadrant



radius = 0.02069949984 density = 0.863038601354
 ratio = 48.379410727156 contacts = 939

N = 506

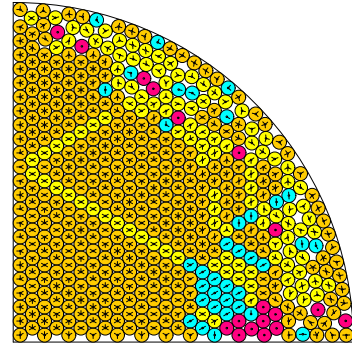
506 circles in a circular quadrant



radius = 0.020645015670 density = 0.862662544175
 ratio = 48.437841655054 contacts = 889

N = 507

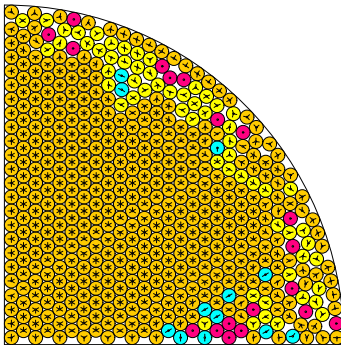
507 circles in a circular quadrant



radius = 0.020622451105 density = 0.862478972872
 ratio = 48.49084117958 contacts = 1074

N = 508

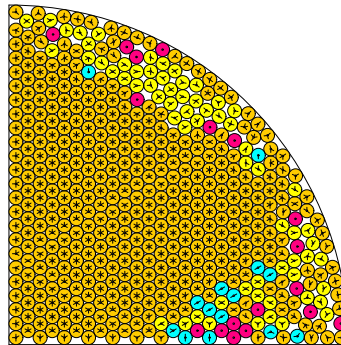
508 circles in a circular quadrant



radius = 0.020596613679 density = 0.862016029220
 ratio = 48.551670933622 contacts = 1228

N = 509

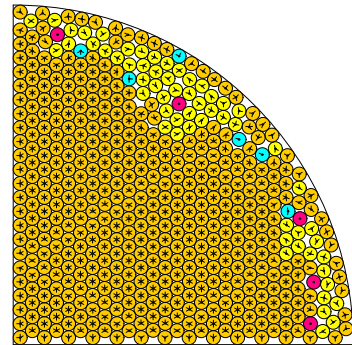
509 circles in a circular quadrant



radius = 0.020573062187 density = 0.861738807492
 ratio = 48.607251117574 contacts = 1237

N = 510

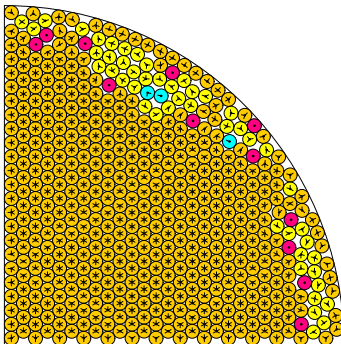
510 circles in a circular quadrant



radius = 0.020540246296 density = 0.860679504549
 ratio = 48.684907939790 contacts = 1307

N = 511

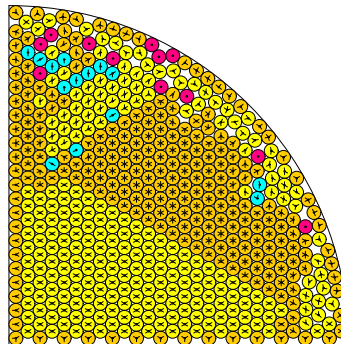
511 circles in a circular quadrant



radius = 0.020524434942 density = 0.861397866269
 ratio = 48.722413203303 contacts = 1308

N = 512

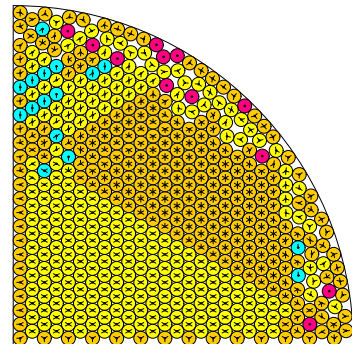
512 circles in a circular quadrant



radius = 0.020508051115 density = 0.861348168799
 ratio = 48.761337407408 contacts = 1099

N = 513

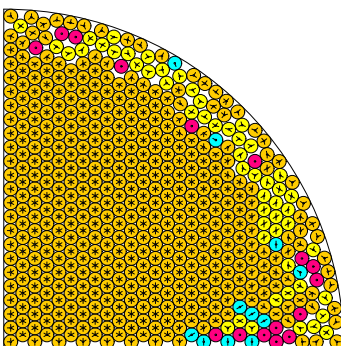
513 circles in a circular quadrant



radius = 0.020489442275 density = 0.861644986238
 ratio = 48.805623235666 contacts = 1088

N = 514

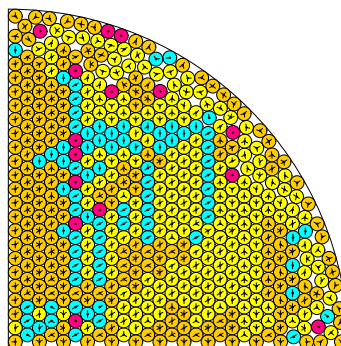
514 circles in a circular quadrant



radius = 0.020468703772 density = 0.861397866269
 ratio = 48.855072168529 contacts = 1315

N = 515

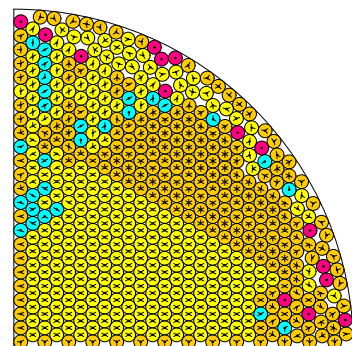
515 circles in a circular quadrant



radius = 0.020451217886 density = 0.861599764815
 ratio = 48.896843462806 contacts = 932

N = 516

516 circles in a circular quadrant



radius = 0.020422050079 density = 0.860812107159
 ratio = 48.966680432270 contacts = 1034