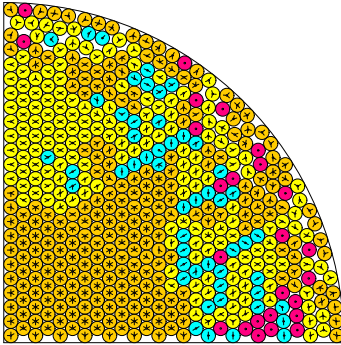


N = 493

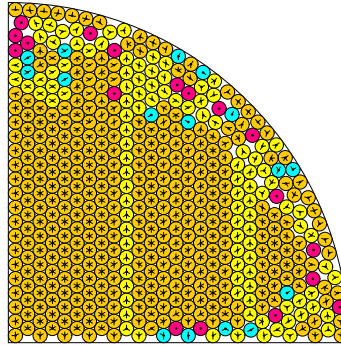
493 circles in a circular quadrant



radius = 0.020944029189 density = 0.865022451323
 ratio = 47.746304732526 contacts = 974

N = 494

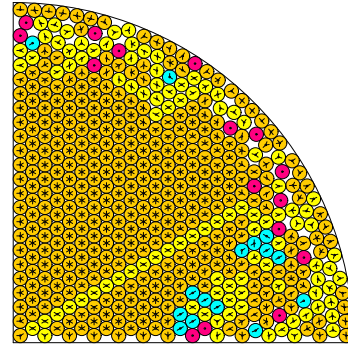
494 circles in a circular quadrant



radius = 0.020918830041 density = 0.864692561755
 ratio = 47.803820674670 contacts = 1126

N = 495

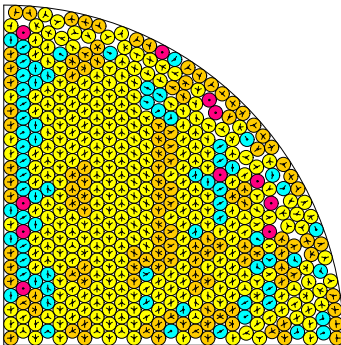
495 circles in a circular quadrant



radius = 0.020892651829 density = 0.864275742912
 ratio = 47.863718218747 contacts = 1157

N = 496

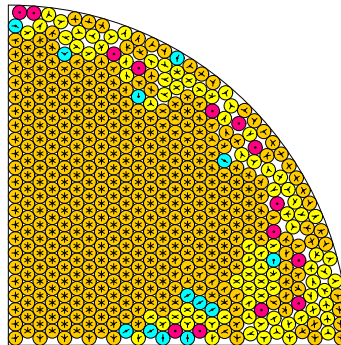
496 circles in a circular quadrant



radius = 0.020869517523 density = 0.864104935068
 ratio = 47.916776174439 contacts = 983

N = 497

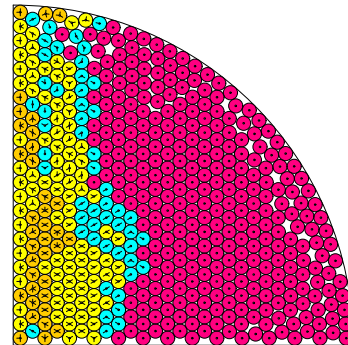
497 circles in a circular quadrant



radius = 0.020860719164 density = 0.865117172842
 ratio = 47.936985879136 contacts = 1221

N = 498

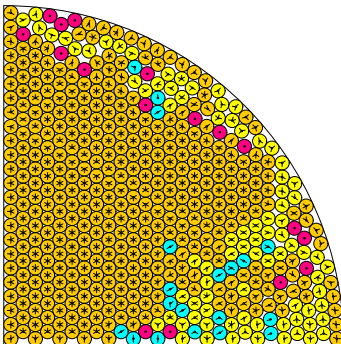
498 circles in a circular quadrant



radius = 0.020828916089 density = 0.864216740927
 ratio = 48.010179489142 contacts = 281

N = 499

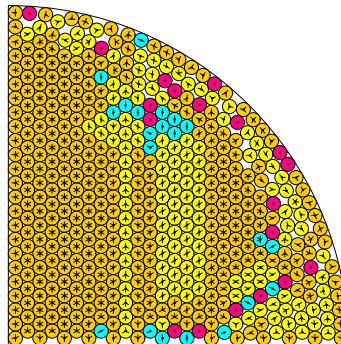
499 circles in a circular quadrant



radius = 0.0207973782848 density = 0.863029475417
 ratio = 48.091403778626 contacts = 1183

N = 500

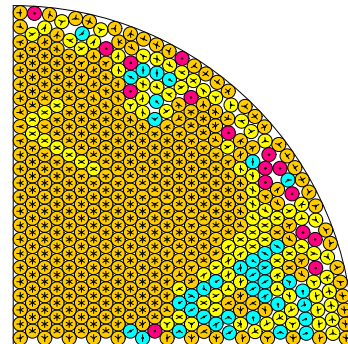
500 circles in a circular quadrant



radius = 0.020779697786 density = 0.863916801895
 ratio = 48.123895269100 contacts = 1122

N = 501

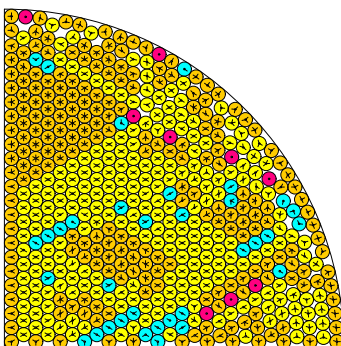
501 circles in a circular quadrant



radius = 0.020763895316 density = 0.864003254782
 ratio = 48.160520209797 contacts = 1136

N = 502

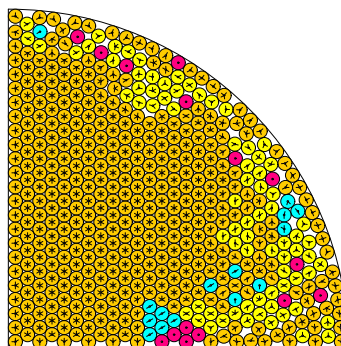
502 circles in a circular quadrant



radius = 0.020737828248 density = 0.863555501073
 ratio = 48.221057095676 contacts = 996

N = 503

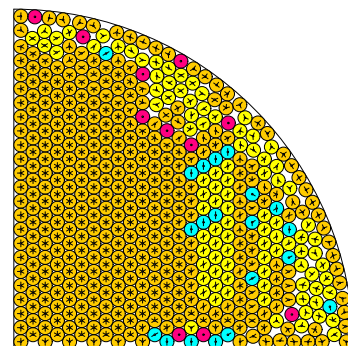
503 circles in a circular quadrant



radius = 0.020721441943 density = 0.863908850286
 ratio = 48.259189816059 contacts = 1223

N = 504

504 circles in a circular quadrant



radius = 0.020693251846 density = 0.863272714688
 ratio = 48.326932564246 contacts = 1200