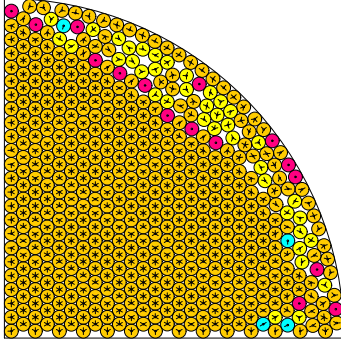


N = 517

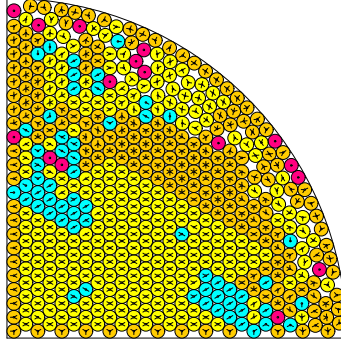
517 circles in a circular quadrant



radius = 0.020411607607 density = 0.861598543480  
 ratio = 48.991731531965 contacts = 1275

N = 518

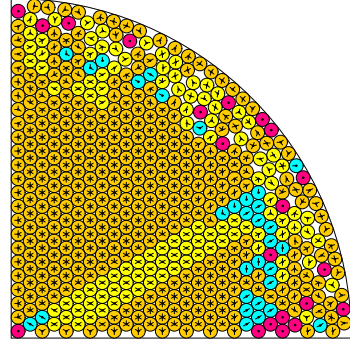
518 circles in a circular quadrant



radius = 0.020400834618 density = 0.862354078008  
 ratio = 49.017602404336 contacts = 965

N = 519

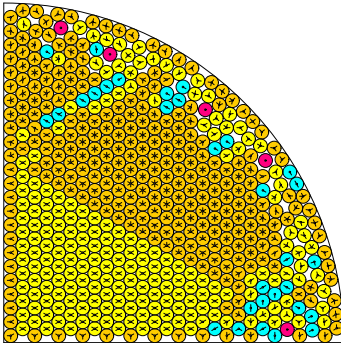
519 circles in a circular quadrant



radius = 0.020395722284 density = 0.863585872039  
 ratio = 49.029889016189 contacts = 1161

N = 520

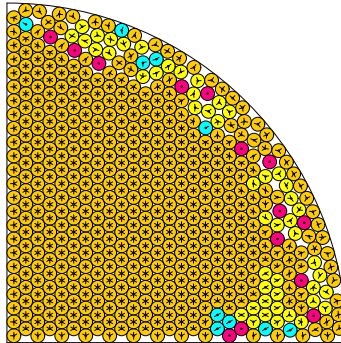
520 circles in a circular quadrant



radius = 0.020375404423 density = 0.863526779245  
 ratio = 49.078780437085 contacts = 1113

N = 521

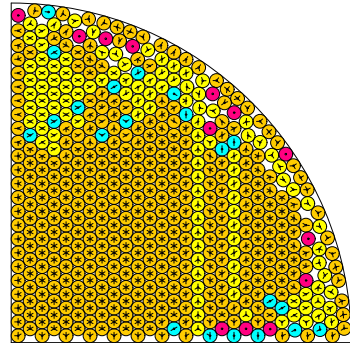
521 circles in a circular quadrant



radius = 0.020357233745 density = 0.863644956626  
 ratio = 49.123587703466 contacts = 1338

N = 522

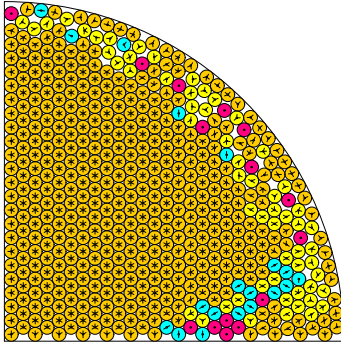
522 circles in a circular quadrant



radius = 0.020347770605 density = 0.864498332786  
 ratio = 49.145431350997 contacts = 1219

N = 523

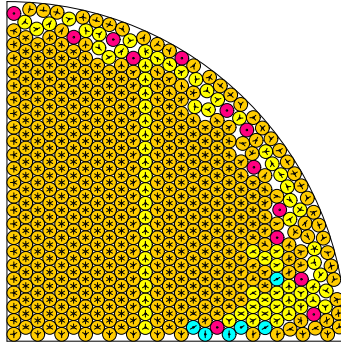
523 circles in a circular quadrant



radius = 0.020328227710 density = 0.864491473129  
 ratio = 49.192679964698 contacts = 1305

N = 524

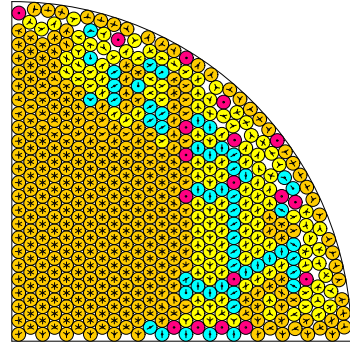
524 circles in a circular quadrant



radius = 0.020319248638 density = 0.865379427809  
 ratio = 49.214418248658 contacts = 1322

N = 525

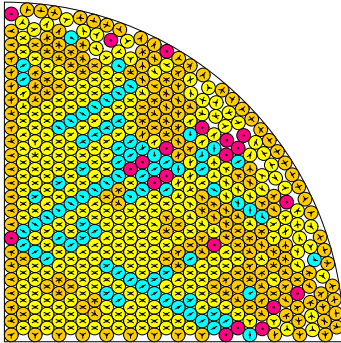
525 circles in a circular quadrant



radius = 0.020308264877 density = 0.866408806875  
 ratio = 49.241035905725 contacts = 1147

N = 526

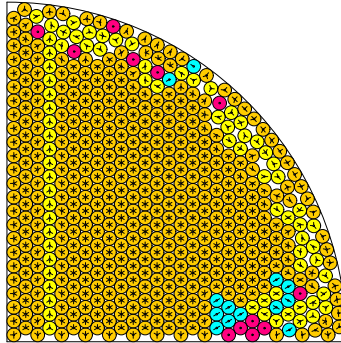
526 circles in a circular quadrant



radius = 0.020287717587 density = 0.865988484198  
 ratio = 49.290906959728 contacts = 924

N = 527

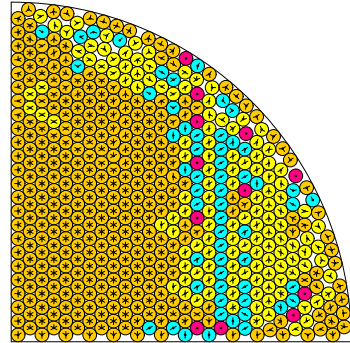
527 circles in a circular quadrant



radius = 0.020270822336 density = 0.866127109473  
 ratio = 49.333790728865 contacts = 1327

N = 528

528 circles in a circular quadrant



radius = 0.020254171388 density = 0.866408806811  
 ratio = 49.372545577588 contacts = 1165