488 circles in a circular quadrant
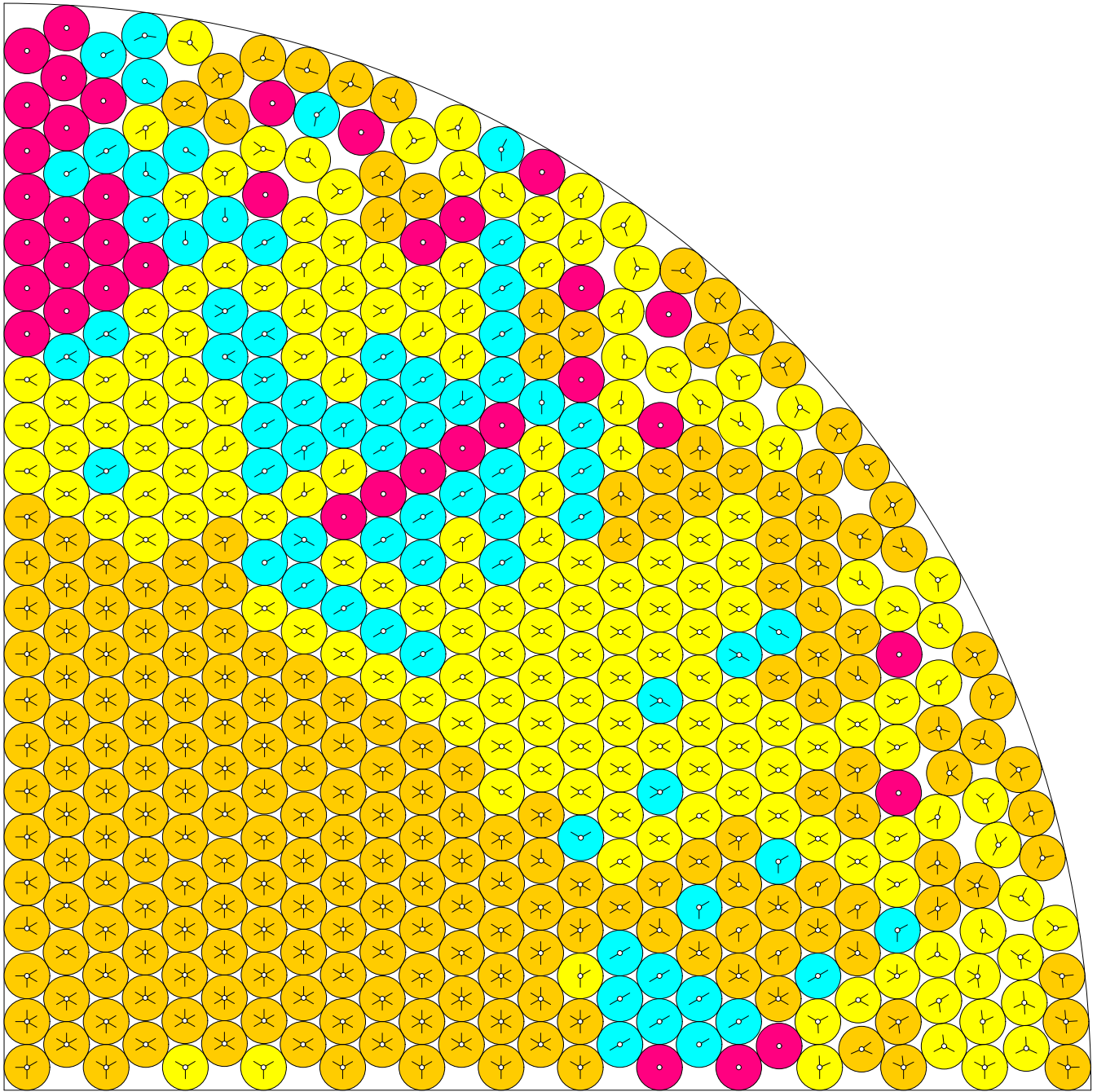

radius =   0.021034698408   density = 0.863679064484

ratio   =   47.540496211704   contacts = 902