560 circles in a circular quadrant
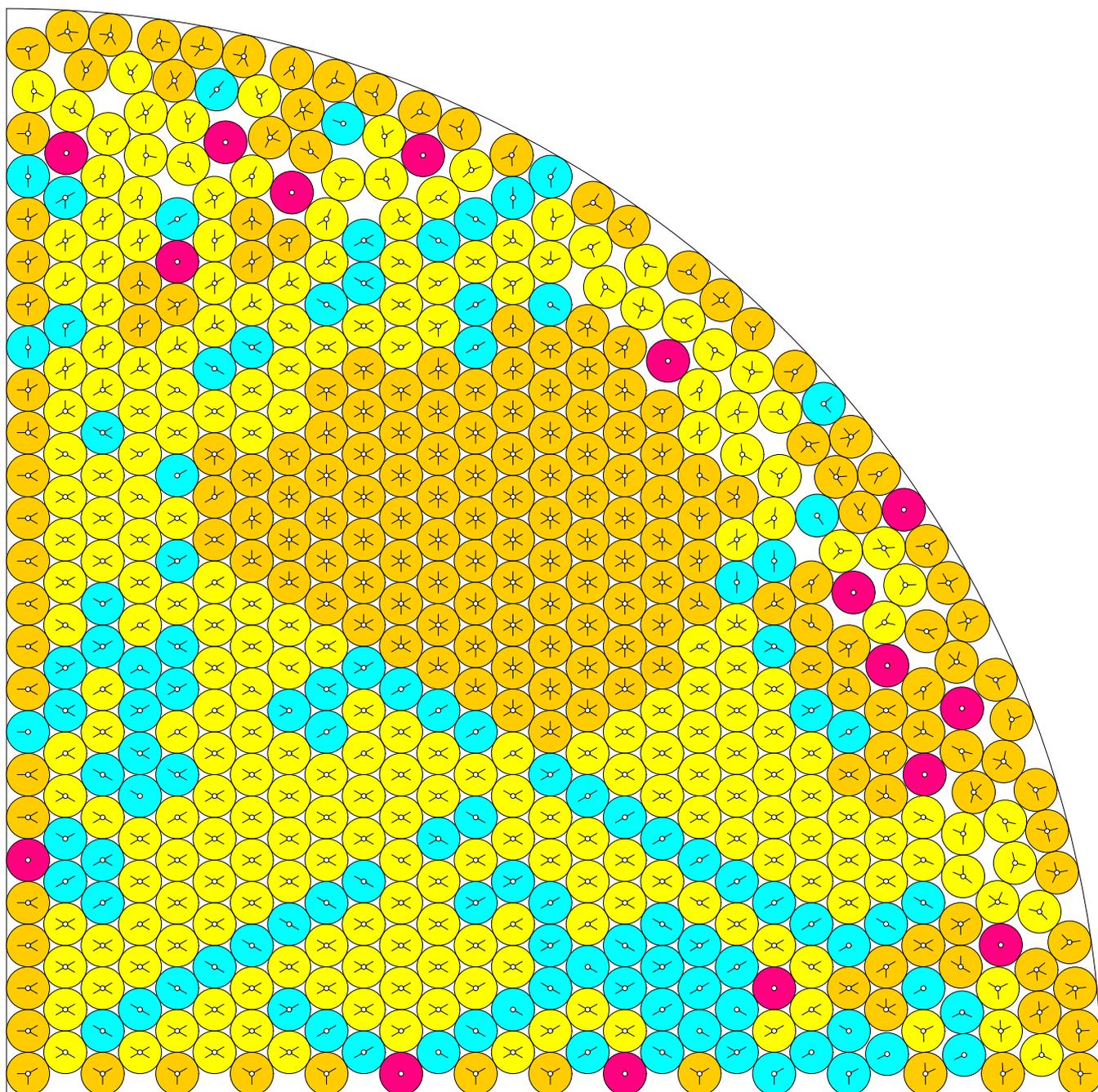
radius =   0.019658605329   density = 0.865672110226

ratio = 50.868308470945   contacts = 1026