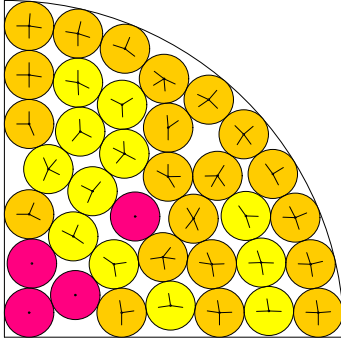


N = 37

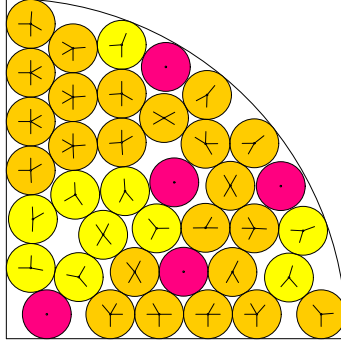
37 circles in a circular quadrant



radius = 0.072791736622 density = 0.784198264235
 ratio = 13.737823088175 contacts = 67

N = 38

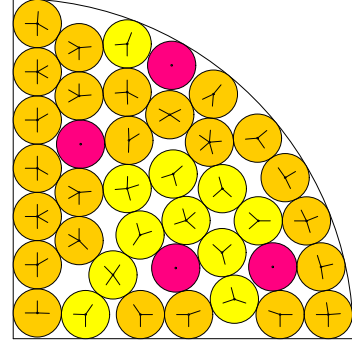
38 circles in a circular quadrant



radius = 0.071770791677 density = 0.782959073774
 ratio = 13.93246661647 contacts = 69

N = 39

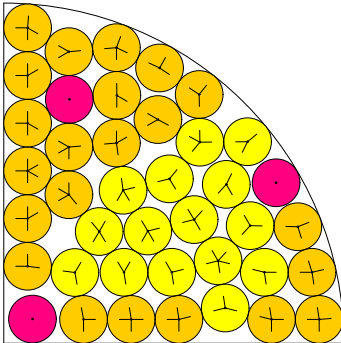
39 circles in a circular quadrant



radius = 0.070892474060 density = 0.784015889031
 ratio = 14.105869674514 contacts = 73

N = 40

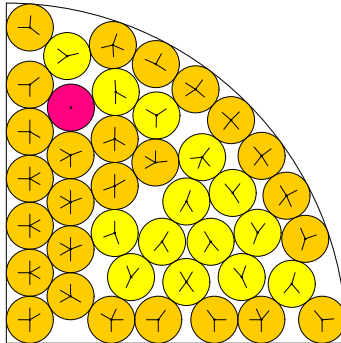
40 circles in a circular quadrant



radius = 0.070088729311 density = 0.785988796237
 ratio = 14.267629186963 contacts = 76

N = 41

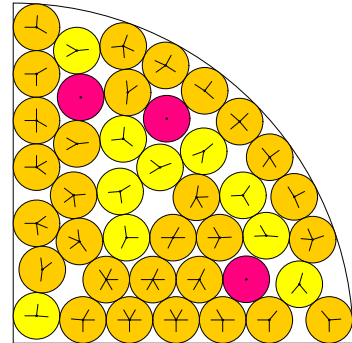
41 circles in a circular quadrant



radius = 0.069105932746 density = 0.783203310269
 ratio = 14.470537629327 contacts = 84

N = 42

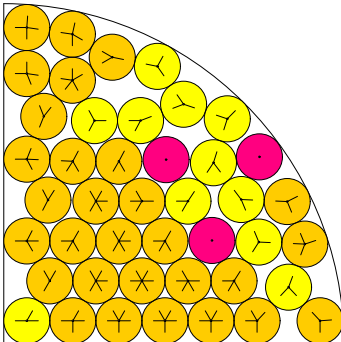
42 circles in a circular quadrant



radius = 0.068490562566 density = 0.788080802991
 ratio = 14.600561704198 contacts = 81

N = 43

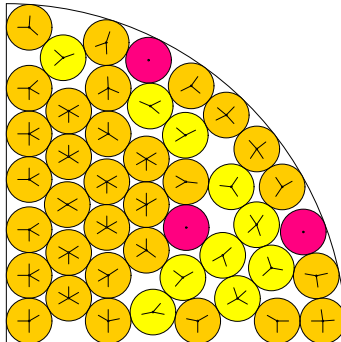
43 circles in a circular quadrant



radius = 0.067695356552 density = 0.788217743370
 ratio = 14.772061939528 contacts = 85

N = 44

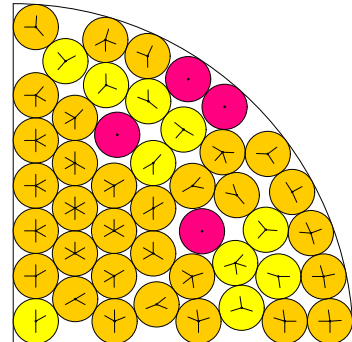
44 circles in a circular quadrant



radius = 0.067092551510 density = 0.792247393466
 ratio = 14.904792252418 contacts = 89

N = 45

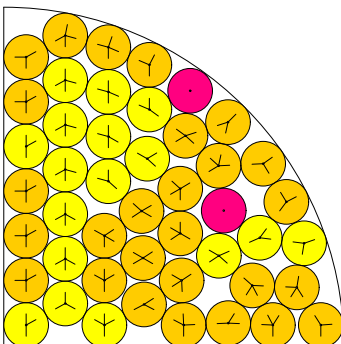
45 circles in a circular quadrant



radius = 0.066425531709 density = 0.794232227305
 ratio = 15.054452320877 contacts = 87

N = 46

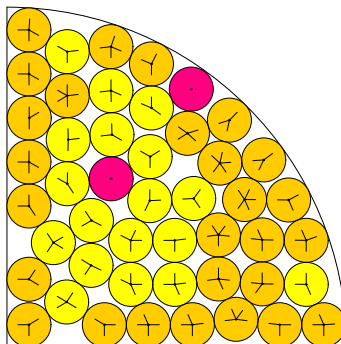
46 circles in a circular quadrant



radius = 0.065644625979 density = 0.792895913266
 ratio = 15.233539457135 contacts = 89

N = 47

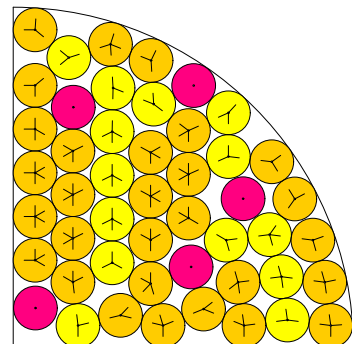
47 circles in a circular quadrant



radius = 0.064812778835 density = 0.789730904454
 ratio = 15.429056090146 contacts = 91

N = 48

48 circles in a circular quadrant



radius = 0.064258263443 density = 0.792791888771
 ratio = 15.562200819362 contacts = 90