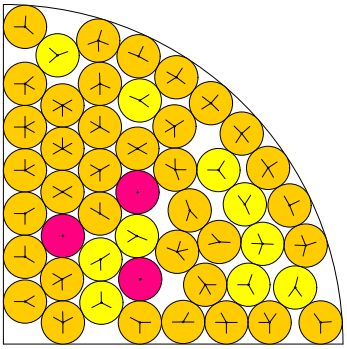
N = 49

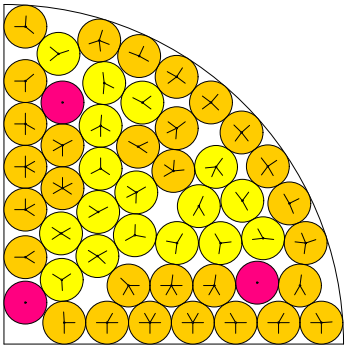
49 circles in a circular quadrant



radius = 0.063682934382 density = 0.794881161782
ratio = 15.702794001244 contacts = 94

N = 50

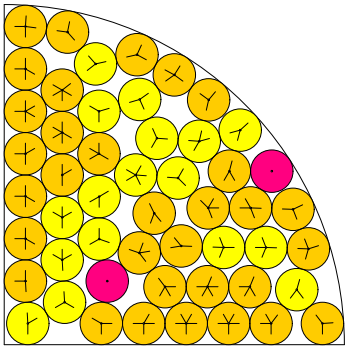
50 circles in a circular quadrant



radius = 0.063100932760 density = 0.796322826868
ratio = 15.847852310955 contacts = 98

N = 51

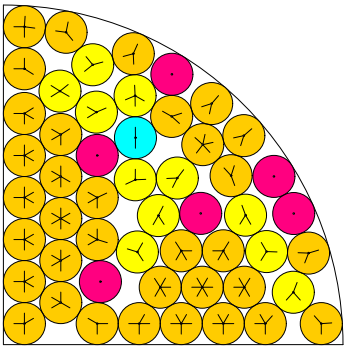
51 circles in a circular quadrant



radius = 0.062382503172 density = 0.793881647217
ratio = 16.030135841737 contacts = 102

N = 52

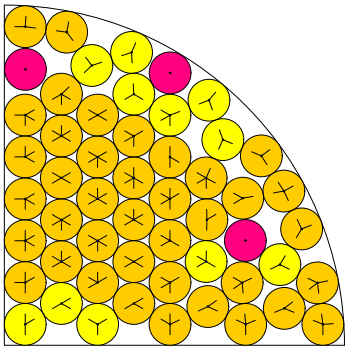
52 circles in a circular quadrant



radius = 0.061878492264 density = 0.796421143421
ratio = 16.160704041203 contacts = 100

N = 53

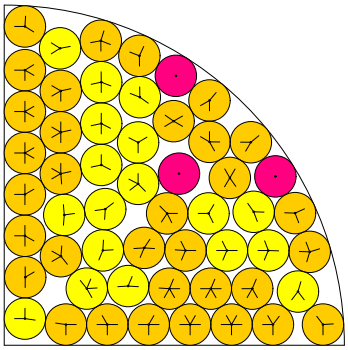
53 circles in a circular quadrant



radius = 0.061441520765 density = 0.800312820481
ratio = 16.275638811388 contacts = 106

N = 54

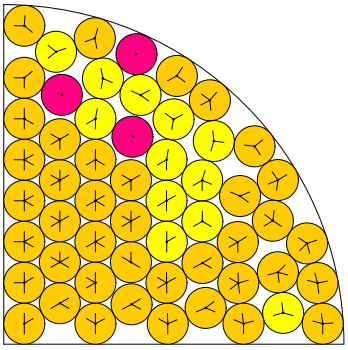
54 circles in a circular quadrant



radius = 0.060866975786 density = 0.800234368122
ratio = 16.429270340614 contacts = 107

N = 55

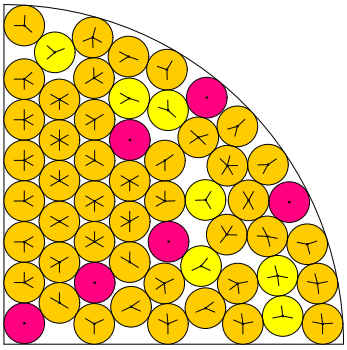
55 circles in a circular quadrant



radius = 0.060346853664 density = 0.801183404384
ratio = 16.570872204209 contacts = 109

N = 56

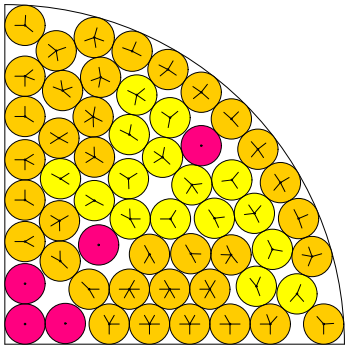
56 circles in a circular quadrant



radius = 0.059814591563 density = 0.801423921497
ratio = 16.718328653138 contacts = 106

N = 57

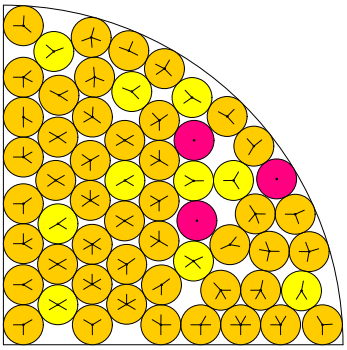
57 circles in a circular quadrant



radius = 0.059296796748 density = 0.801673103848
ratio = 16.864317380361 contacts = 107

N = 58

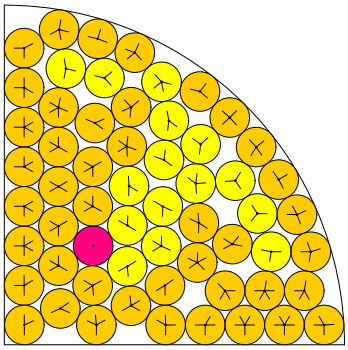
58 circles in a circular quadrant



radius = 0.058761842243 density = 0.801085352090
ratio = 17.017846306762 contacts = 113

N = 59

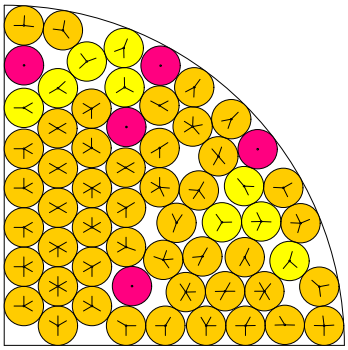
59 circles in a circular quadrant



radius = 0.058229776872 density = 0.800206886816
ratio = 17.173343594381 contacts = 122

N = 60

60 circles in a circular quadrant



radius = 0.057804691718 density = 0.801931772321
ratio = 17.299633823324 contacts = 115