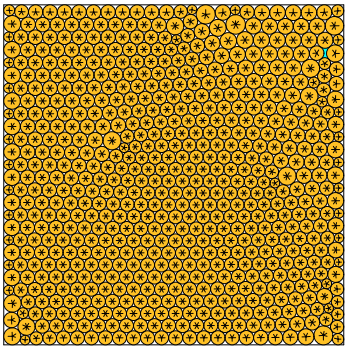
N = 649

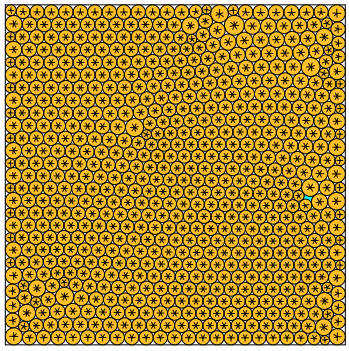
649 circles in a square



sumradii = 13.558504641714 density = 0.897651357457
sumperim = 85.190597152142 contacts = 1947

N = 650

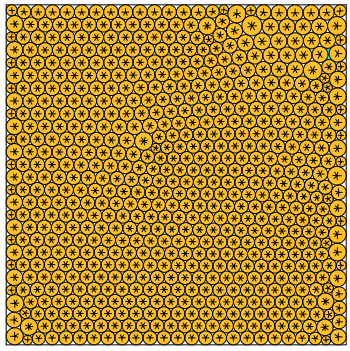
650 circles in a square



sumradii = 13.572155036288 density = 0.897622741087
sumperim = 85.276365110768 contacts = 1950

N = 651

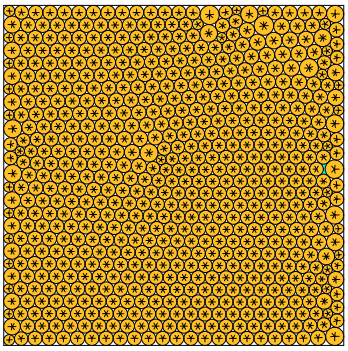
651 circles in a square



sumradii = 13.581363451568 density = 0.897671309624
sumperim = 85.334223290360 contacts = 1953

N = 652

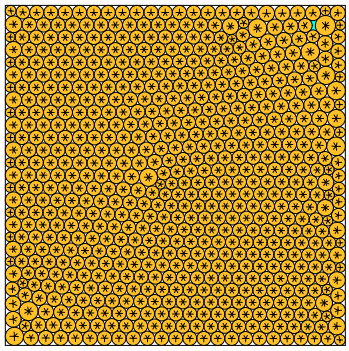
652 circles in a square



sumradii = 13.596172161703 density = 0.897493181170
sumperim = 85.427269160299 contacts = 1956

N = 653

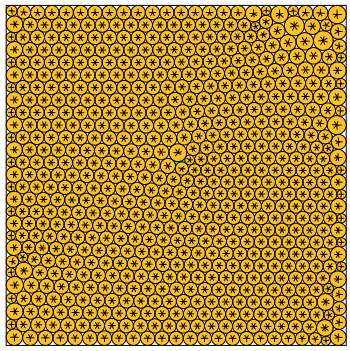
653 circles in a square



sumradii = 13.609375388879 density = 0.897496330325
sumperim = 85.510227483296 contacts = 1959

N = 654

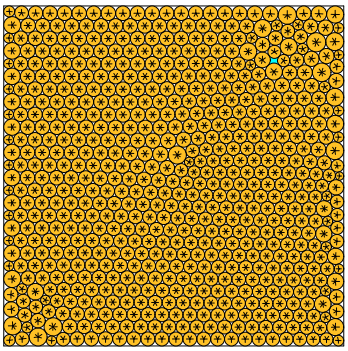
654 circles in a square



sumradii = 13.619311220218 density = 0.897790557946
sumperim = 85.572656152781 contacts = 1962

N = 655

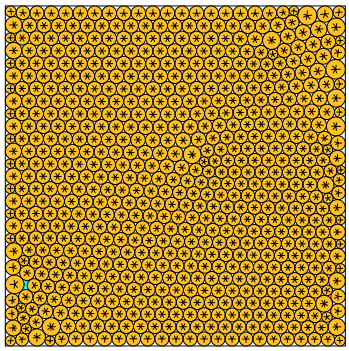
655 circles in a square



sumradii = 13.625616140760 density = 0.897489663954
sumperim = 85.612271136890 contacts = 1965

N = 656

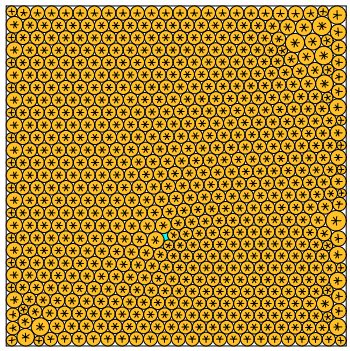
656 circles in a square



sumradii = 13.638148457776 density = 0.897508393380
sumperim = 85.691014007034 contacts = 1968

N = 657

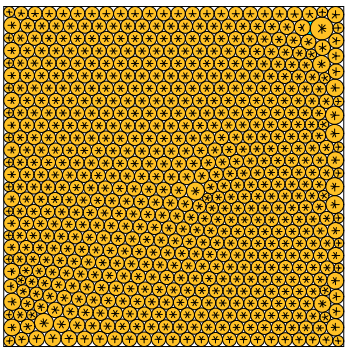
657 circles in a square



sumradii = 13.653146333010 density = 0.897539492251
sumperim = 85.785248436342 contacts = 1971

N = 658

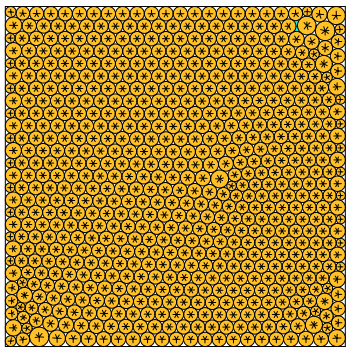
658 circles in a square



sumradii = 13.662217129252 density = 0.897631101762
sumperim = 85.842241930012 contacts = 1974

N = 659

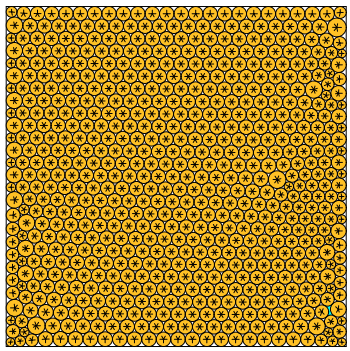
659 circles in a square



sumradii = 13.673139071164 density = 0.897649028666
sumperim = 85.910866514962 contacts = 1977

N = 660

660 circles in a square



sumradii = 13.679159175069 density = 0.897834326645
sumperim = 85.948691943364 contacts = 1980