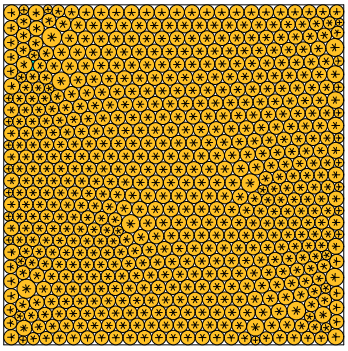
# N = 637

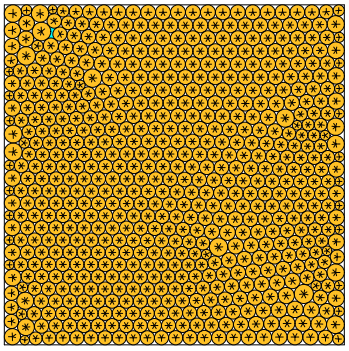
**637 circles in a square**



**sumradii = 13.426990905781 density = 0.897837042118**
**sumperim = 84.364271978835 contacts = 1911**

# N = 638

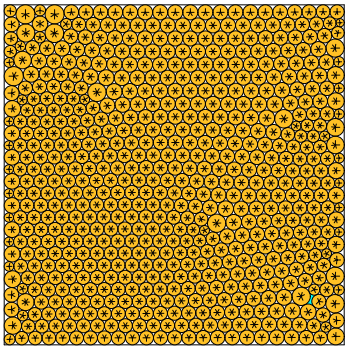
**638 circles in a square**



**sumradii = 13.442651638708 density = 0.897572154272**
**sumperim = 84.462671265861 contacts = 1914**

# N = 639

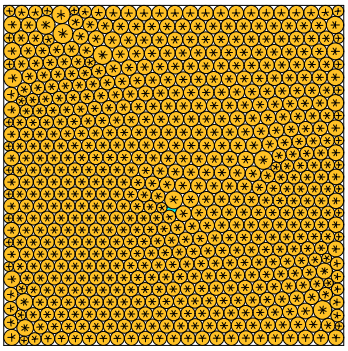
**639 circles in a square**



**sumradii = 13.450482031893 density = 0.897461252781**
**sumperim = 84.511871077272 contacts = 1917**

# N = 640

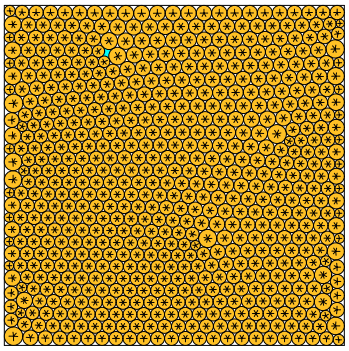
**640 circles in a square**



**sumradii = 13.461368670454 density = 0.897778025775**
**sumperim = 84.580273844727 contacts = 1920**

# N = 641

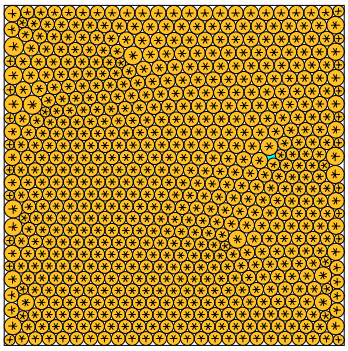
**641 circles in a square**



**sumradii = 13.476977513133 density = 0.897323610775**
**sumperim = 84.673847095706 contacts = 1923**

# N = 642

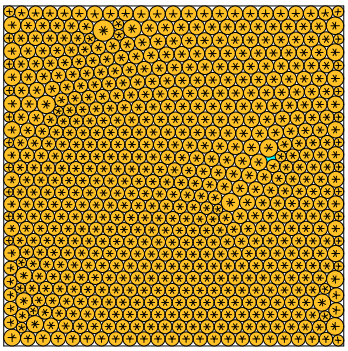
**642 circles in a square**



**sumradii = 13.486743370435 density = 0.897297356548**
**sumperim = 84.739707788820 contacts = 1926**

# N = 643

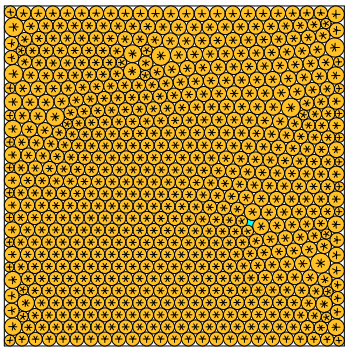
**643 circles in a square**



**sumradii = 13.496998619088 density = 0.897538884060**
**sumperim = 84.804143420130 contacts = 1929**

# N = 644

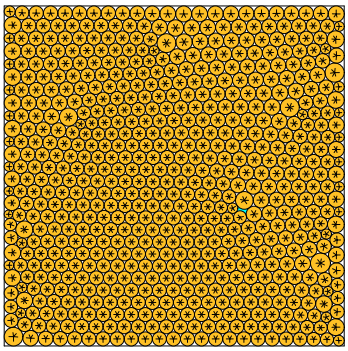
**644 circles in a square**



**sumradii = 13.507342133079 density = 0.897347444700**
**sumperim = 84.869133629608 contacts = 1932**

# N = 645

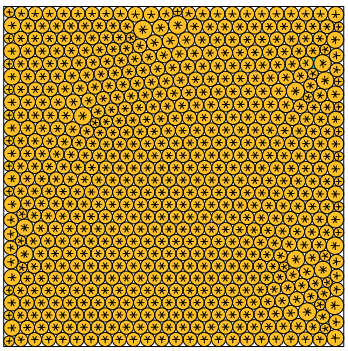
**645 circles in a square**



**sumradii = 13.520125074590 density = 0.897429668261**
**sumperim = 84.949451219897 contacts = 1935**

# N = 646

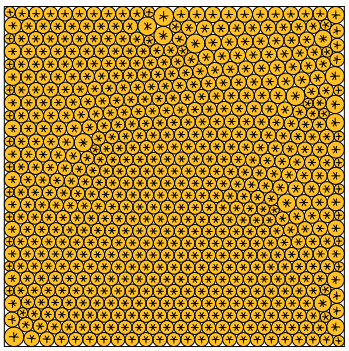
**646 circles in a square**



**sumradii = 13.535315378293 density = 0.897674394000**
**sumperim = 85.044894712933 contacts = 1938**

# N = 647

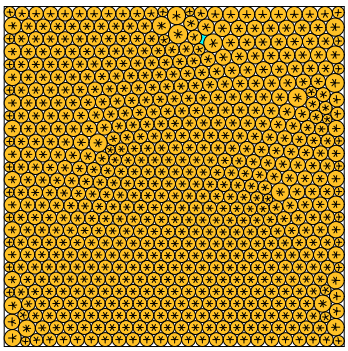
**647 circles in a square**



**sumradii = 13.536817674332 density = 0.897526220200**
**sumperim = 85.054333917330 contacts = 1941**

# N = 648

**648 circles in a square**



**sumradii = 13.547817119877 density = 0.897649778174**
**sumperim = 85.123445471966 contacts = 1944**