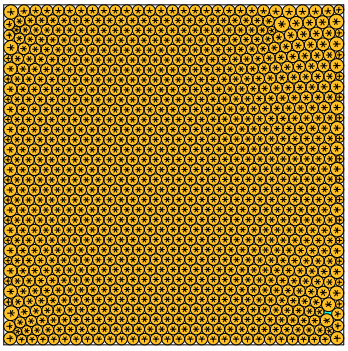
# N = 997

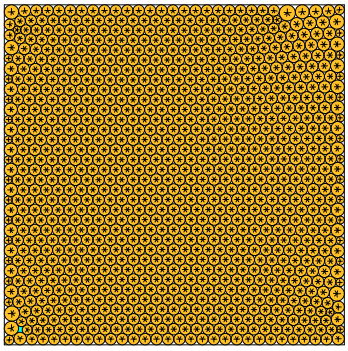
**997 circles in a square**



**sumradii = 16.854293847265 density = 0.899369649752**
**sumperim = 105.898651464020 contacts = 2991**

# N = 998

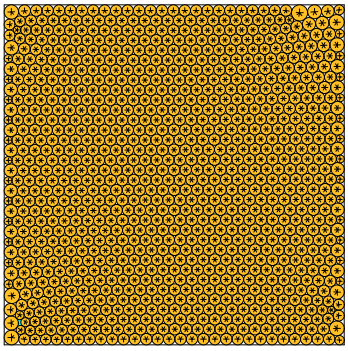
**998 circles in a square**



**sumradii = 16.862307665768 density = 0.899307097512**
**sumperim = 105.949003770692 contacts = 2994**

# N = 999

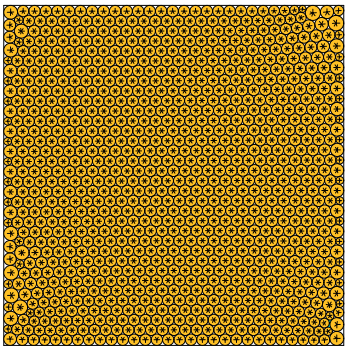
**999 circles in a square**



**sumradii = 16.870371304430 density = 0.899286624555**
**sumperim = 105.999669106657 contacts = 2997**

# N = 1000

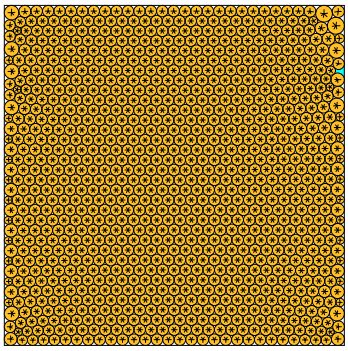
**1000 circles in a square**



**sumradii = 16.878187242305 density = 0.899453159848**
**sumperim = 106.048778092676 contacts = 3000**

# N = 1001

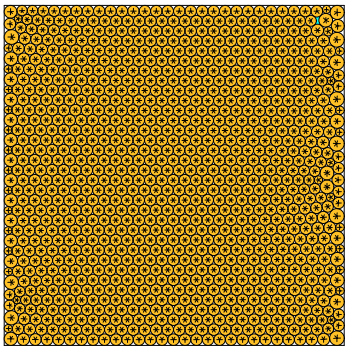
**1001 circles in a square**



**sumradii = 16.886789475788 density = 0.899076977486**
**sumperim = 106.102827519707 contacts = 3003**

# N = 1002

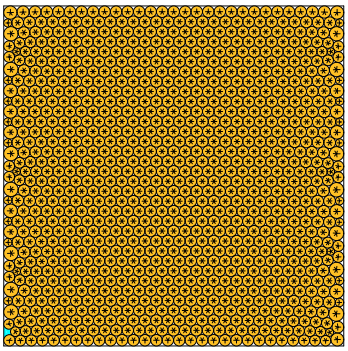
**1002 circles in a square**



**sumradii = 16.898293337843 density = 0.899158956050**
**sumperim = 106.175108416749 contacts = 3006**

# N = 1003

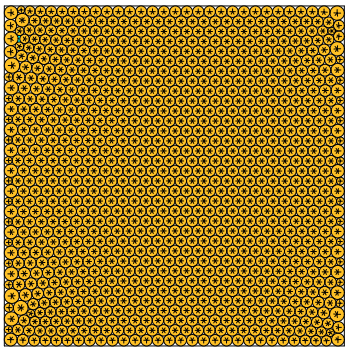
**1003 circles in a square**



**sumradii = 16.907534927693 density = 0.898965968263**
**sumperim = 106.233175038305 contacts = 3009**

# N = 1004

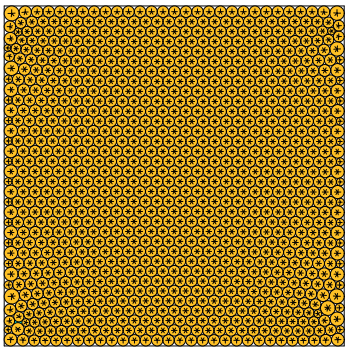
**1004 circles in a square**



**sumradii = 16.915091402197 density = 0.899418431311**
**sumperim = 106.280653767883 contacts = 3012**

# N = 1005

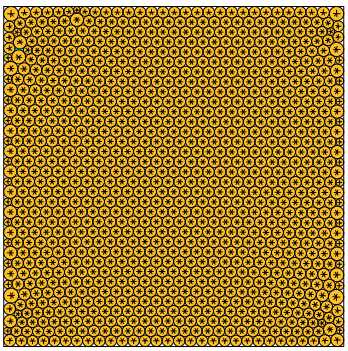
**1005 circles in a square**



**sumradii = 16.923454056997 density = 0.899447324176**
**sumperim = 106.333197877655 contacts = 3015**

# N = 1006

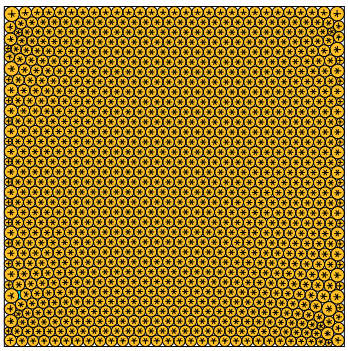
**1006 circles in a square**



**sumradii = 16.931352388400 density = 0.899486411536**
**sumperim = 106.382824557476 contacts = 3018**

# N = 1007

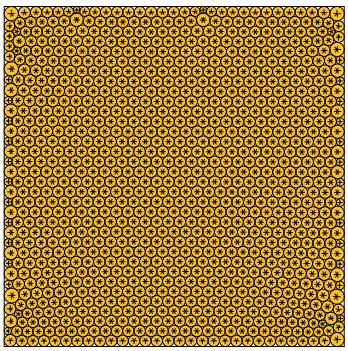
**1007 circles in a square**



**sumradii = 16.939522474705 density = 0.899452675906**
**sumperim = 106.434158723703 contacts = 3021**

# N = 1008

**1008 circles in a square**



**sumradii = 16.947070036031 density = 0.899545780480**
**sumperim = 106.481581450132 contacts = 3024**