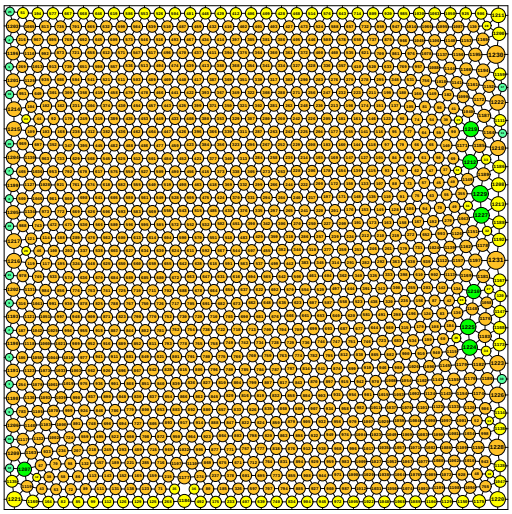
# N = 1231

**1231 circles in a square**

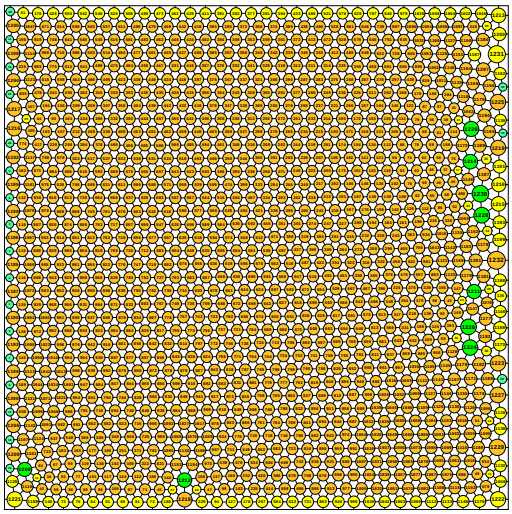


sumradii = 18.725541292100 density = 0.899642855454
sumperim = 117.656045915507 contacts = 3693

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# N = 1232

**1232 circles in a square**

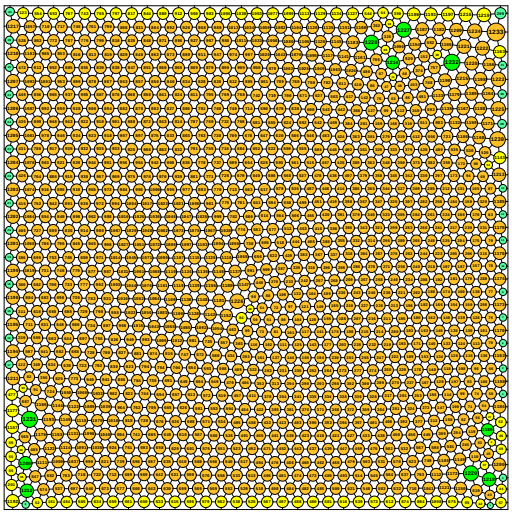


sumradii = 18.732794188799 density = 0.899722153727
sumperim = 117.701617209481 contacts = 3696

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# N = 1233

**1233 circles in a square**

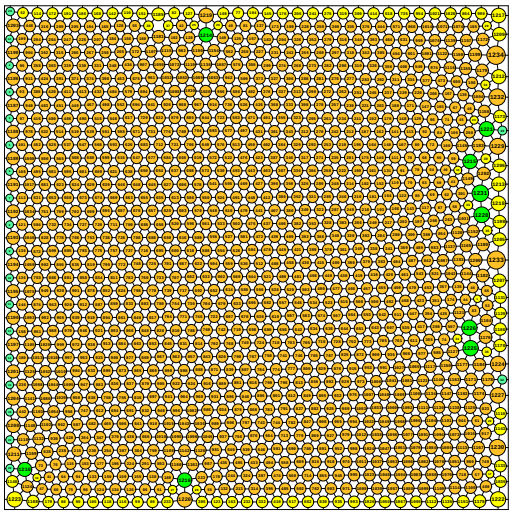


sumradii = 18.739063794895 density = 0.900218233678
sumperim = 117.741010306385 contacts = 3699

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# N = 1234

**1234 circles in a square**

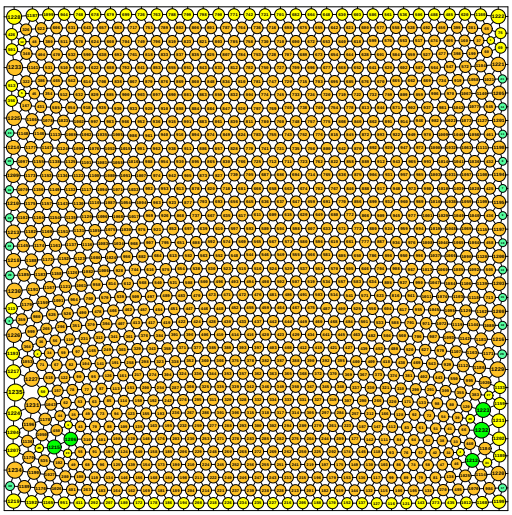


sumradii = 18.744656384971 density = 0.899693460427
sumperim = 117.776149586180 contacts = 3702

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# N = 1235

**1235 circles in a square**

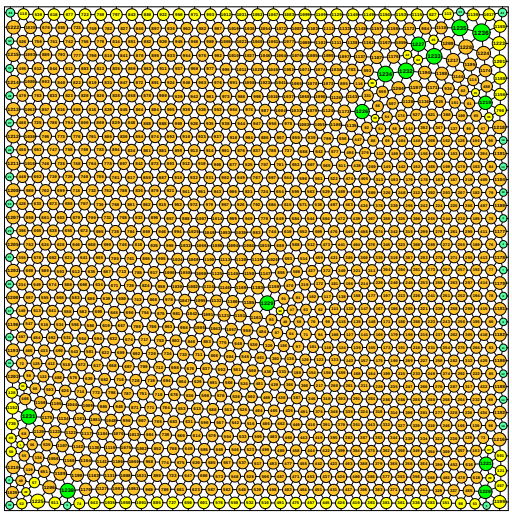


sumradii = 18.758773729778 density = 0.899645565717
sumperim = 117.864851479648 contacts = 3705

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# N = 1236

**1236 circles in a square**



sumradii = 18.761635557630 density = 0.900262349071
sumperim = 117.882832874359 contacts = 3708

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