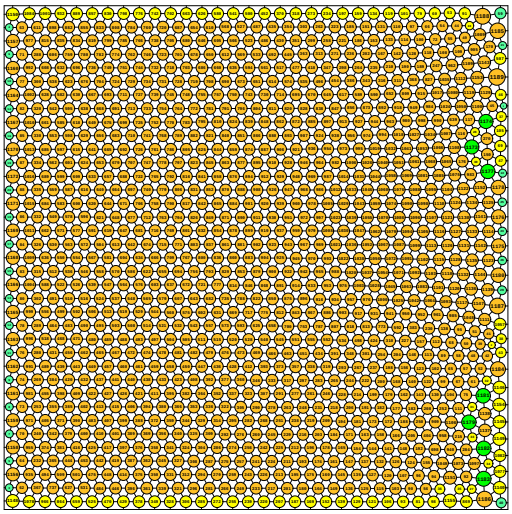
N = 1189

1189 circles in a square



sumradii = 18.413127798270 density = 0.899920018161
sumperim = 115.693094041310 contacts = 3567

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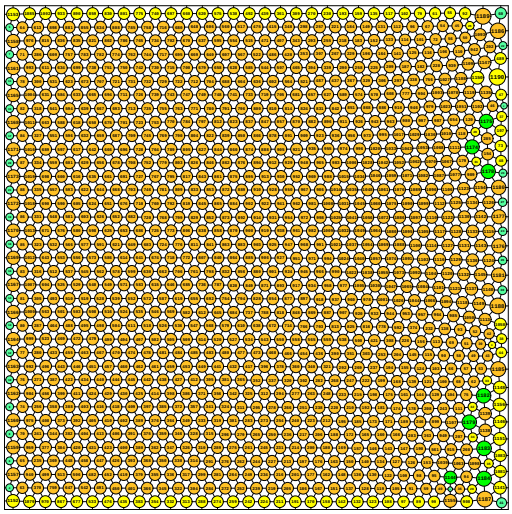
N = 1190

1190 circles in a square



sumradii = 18.419231914734 density = 0.900020208991
sumperim = 115.731447336190 contacts = 3570

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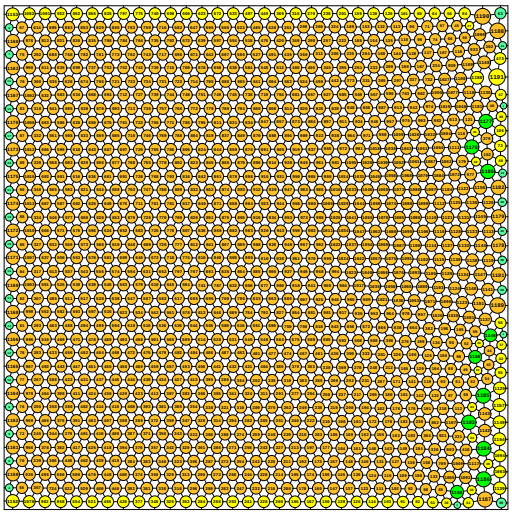
N = 1191

1191 circles in a square



sumradii = 18.428740189333 density = 0.900115935461
sumperim = 115.791189587447 contacts = 3573

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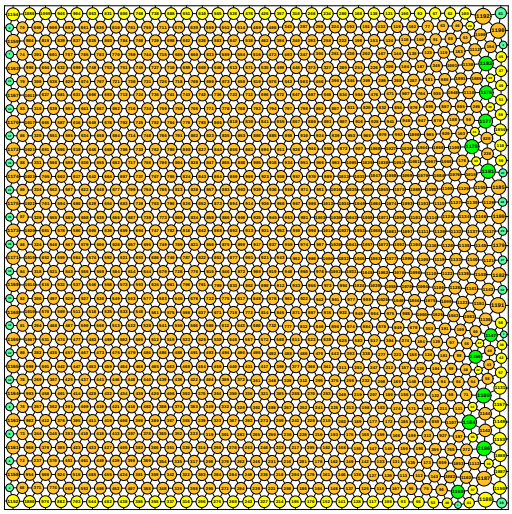
N = 1192

1192 circles in a square



sumradii = 18.437828786751 density = 0.900086330393
sumperim = 115.848294929207 contacts = 3576

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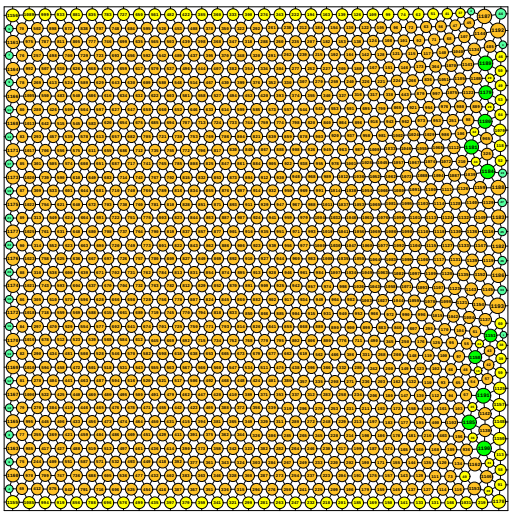
N = 1193

1193 circles in a square



sumradii = 18.446548032729 density = 0.900021826220
sumperim = 115.903079567426 contacts = 3579

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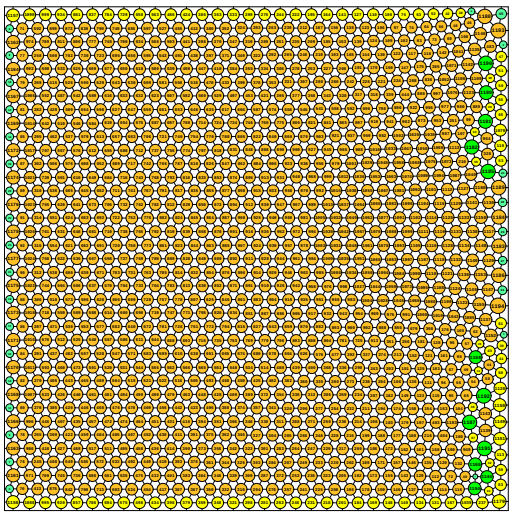
N = 1194

1194 circles in a square



sumradii = 18.453109387240 density = 0.900151931866
sumperim = 115.944305773684 contacts = 3582

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