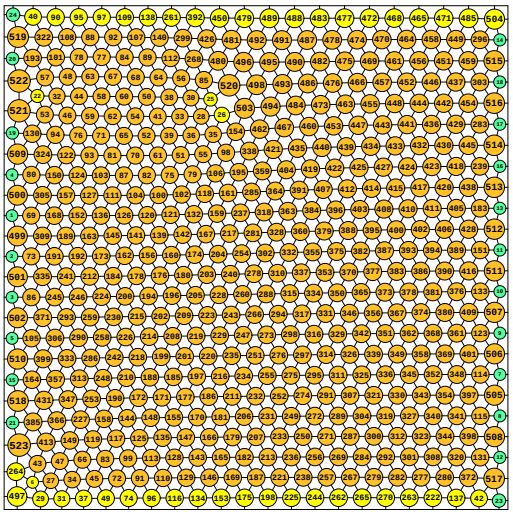
# N = 523

**523 circles in a square**



sumradii = 12.175667817577 density = 0.896539273179
sumperim = 76.501977136499 contacts = 1569

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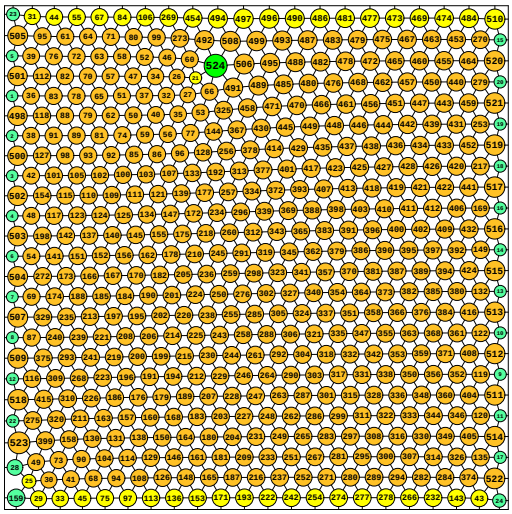
# N = 524

**524 circles in a square**



sumradii = 12.187372337762 density = 0.896509037392
sumperim = 76.575518805753 contacts = 1572

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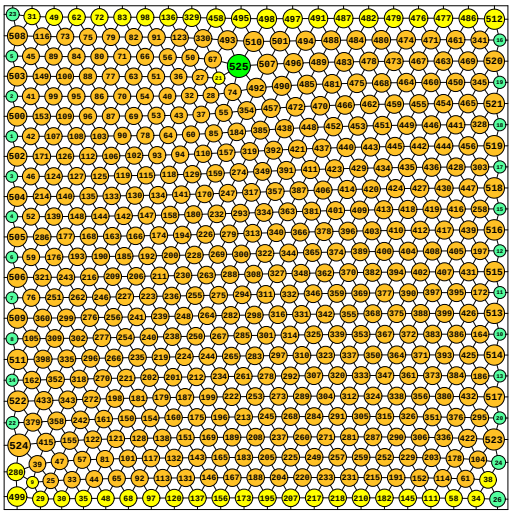
# N = 525

**525 circles in a square**



sumradii = 12.198301233389 density = 0.896381213615
sumperim = 76.644187082180 contacts = 1575

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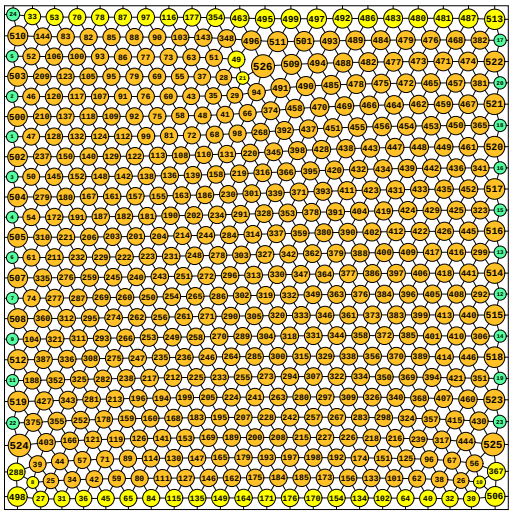
# N = 526

**526 circles in a square**



sumradii = 12.210838527936 density = 0.896745025143
sumperim = 76.722961227070 contacts = 1578

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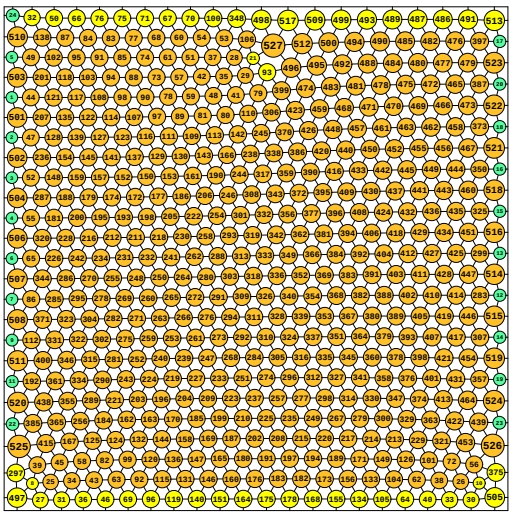
# N = 527

**527 circles in a square**



sumradii = 12.222501467971 density = 0.896766204940
sumperim = 76.796241640536 contacts = 1581

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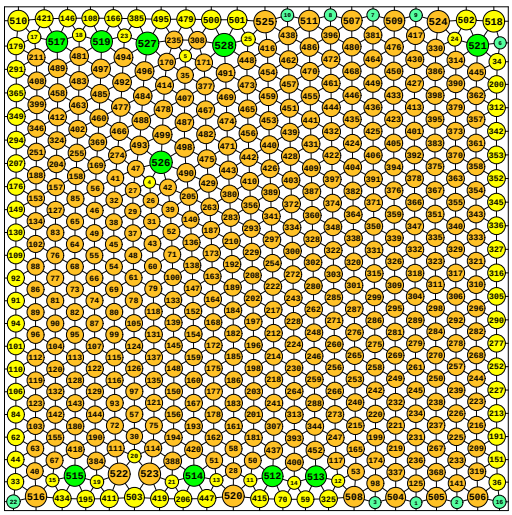
# N = 528

**528 circles in a square**



sumradii = 12.232973879806 density = 0.896277174595
sumperim = 76.862041744709 contacts = 1584

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