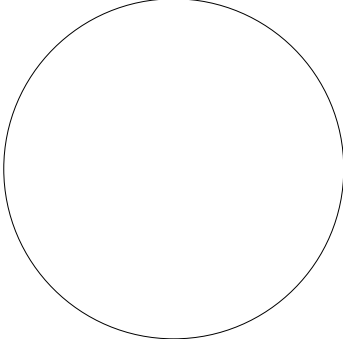


N = 469

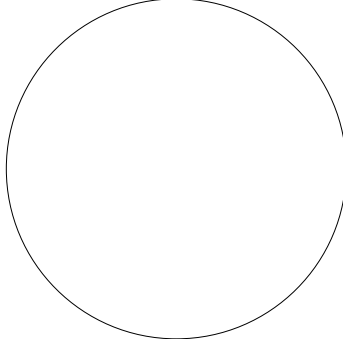
469 spheres in a sphere



radius = 0.108822657665 density = 0.604408866672
ratio = 9.189262801120 contacts = 1322

N = 470

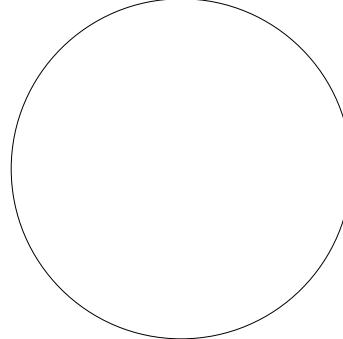
470 spheres in a sphere



radius = 0.108757629852 density = 0.604612415947
ratio = 9.194757198744 contacts = 1310

N = 471

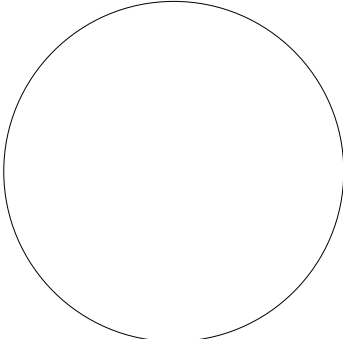
471 spheres in a sphere



radius = 0.108705128410 density = 0.605021777681
ratio = 9.199198001297 contacts = 1310

N = 472

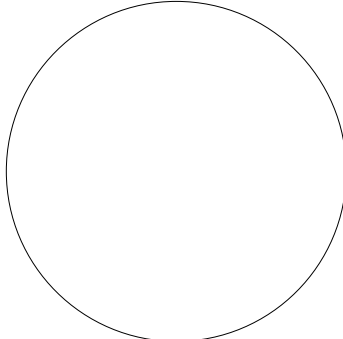
472 spheres in a sphere



radius = 0.108645749388 density = 0.605313305774
ratio = 9.204225694904 contacts = 1325

N = 473

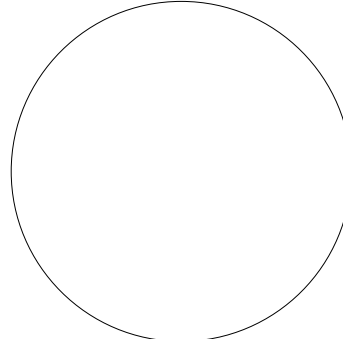
473 spheres in a sphere



radius = 0.108596855546 density = 0.605799331104
ratio = 9.208358730862 contacts = 1332

N = 474

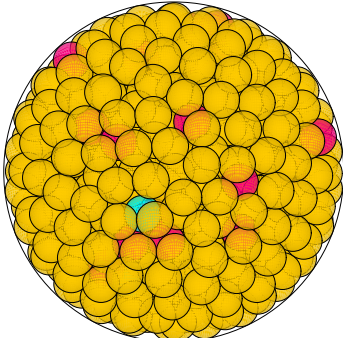
474 spheres in a sphere



radius = 0.108528179435 density = 0.605906895450
ratio = 9.214198766278 contacts = 1343

N = 475

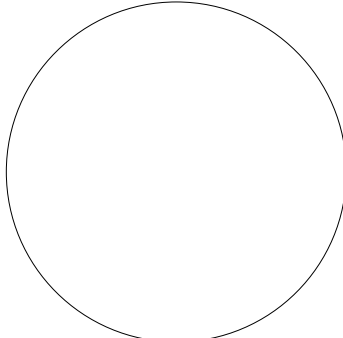
475 spheres in a sphere



radius = 0.108482451184 density = 0.605515163336
ratio = 9.217588489001 contacts = 1325

N = 476

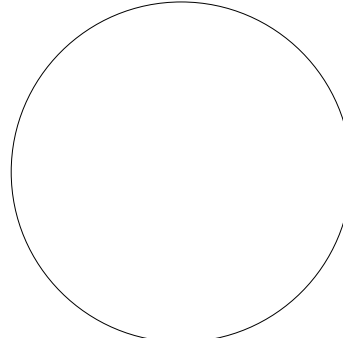
476 spheres in a sphere



radius = 0.108414012939 density = 0.60645259811
ratio = 9.22389871345 contacts = 1355

N = 477

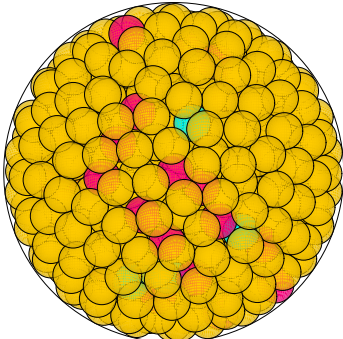
477 spheres in a sphere



radius = 0.108350091922 density = 0.606896243932
ratio = 9.228574937854 contacts = 1316

N = 478

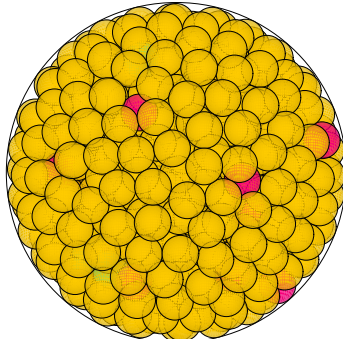
478 spheres in a sphere



radius = 0.108304831188 density = 0.607255400665
ratio = 9.233198455055 contacts = 1303

N = 479

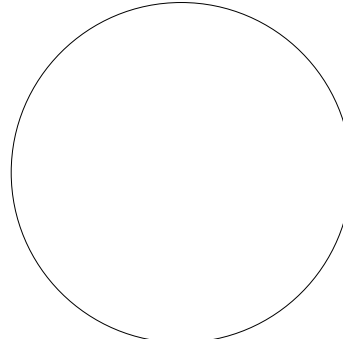
479 spheres in a sphere



radius = 0.108242617185 density = 0.607477375556
ratio = 9.238505368832 contacts = 1373

N = 480

480 spheres in a sphere



radius = 0.108158304104 density = 0.607324560324
ratio = 9.245707098351 contacts = 1400