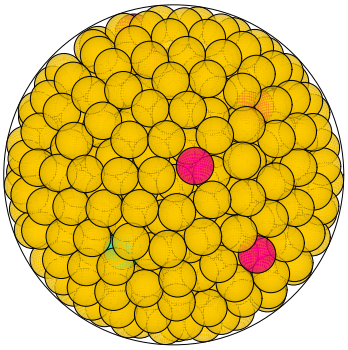
N = 445

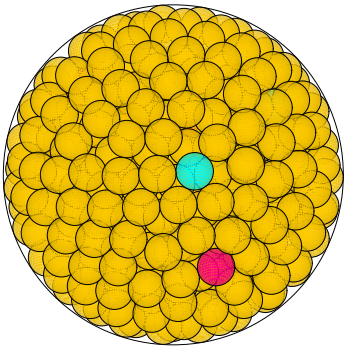
445 spheres in a sphere



radius = 0.110321411303 density = 0.597502102631
ratio = 9.064423561927 contacts = 1301

N = 446

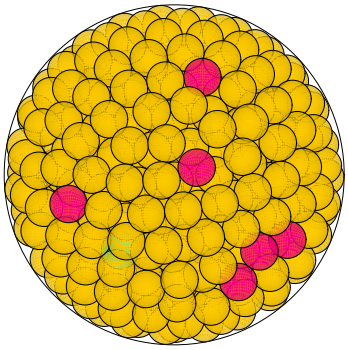
446 spheres in a sphere



radius = 0.110211526379 density = 0.597057159325
ratio = 9.073461123861 contacts = 1310

N = 447

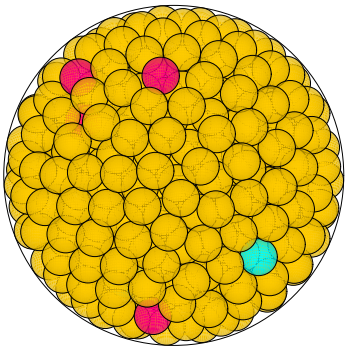
447 spheres in a sphere



radius = 0.110161398438 density = 0.597579711629
ratio = 9.077589919697 contacts = 1300

N = 448

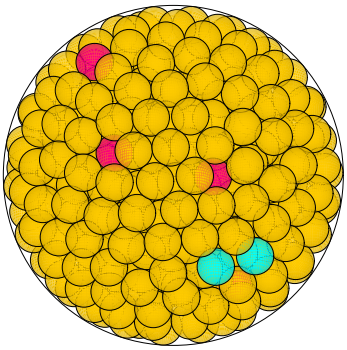
448 spheres in a sphere



radius = 0.110053875841 density = 0.597164579660
ratio = 9.086458721808 contacts = 1306

N = 449

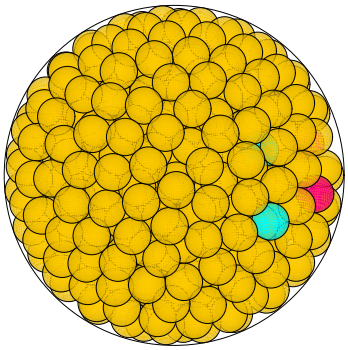
449 spheres in a sphere



radius = 0.109981103306 density = 0.597311061367
ratio = 9.092471069450 contacts = 1314

N = 450

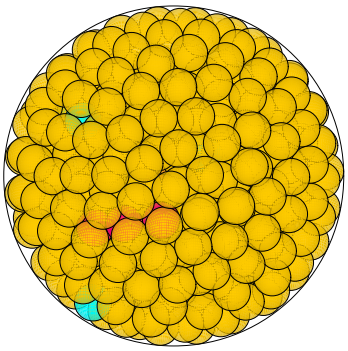
450 spheres in a sphere



radius = 0.109900761061 density = 0.597330393969
ratio = 9.099118062047 contacts = 1305

N = 451

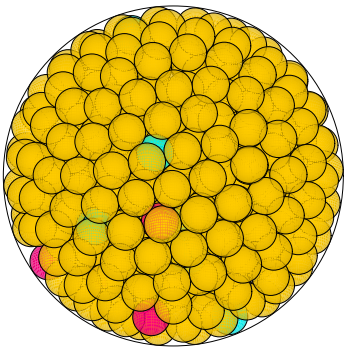
451 spheres in a sphere



radius = 0.109820239412 density = 0.597342892147
ratio = 9.105789655440 contacts = 1307

N = 452

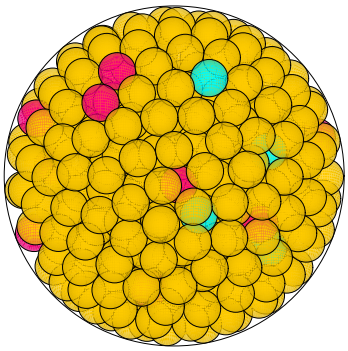
452 spheres in a sphere



radius = 0.109761802195 density = 0.597712202648
ratio = 9.110637580707 contacts = 1326

N = 453

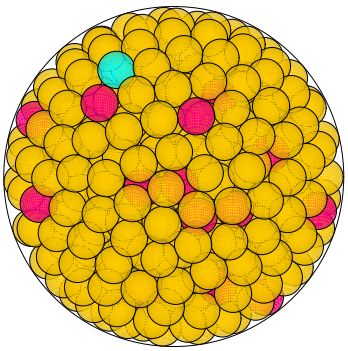
453 spheres in a sphere



radius = 0.109697419645 density = 0.597981072889
ratio = 9.115984708083 contacts = 1295

N = 454

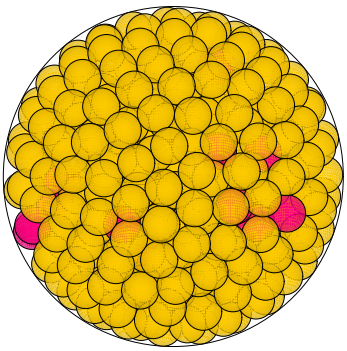
454 spheres in a sphere



radius = 0.109638408689 density = 0.598334470112
ratio = 9.120891227460 contacts = 1299

N = 455

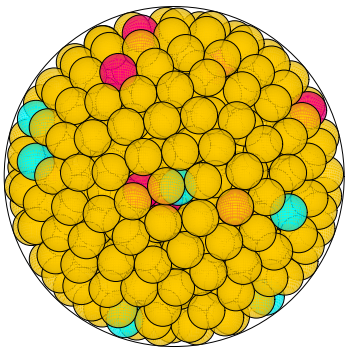
455 spheres in a sphere



radius = 0.109550521407 density = 0.598211480463
ratio = 9.128208493697 contacts = 1313

N = 456

456 spheres in a sphere



radius = 0.109465855075 density = 0.598137269963
ratio = 9.135268703779 contacts = 1306