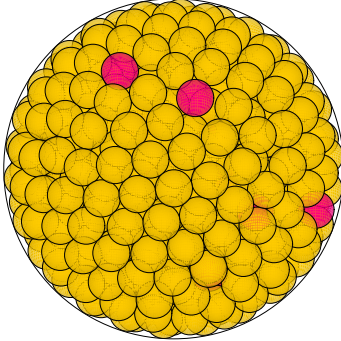


N = 457

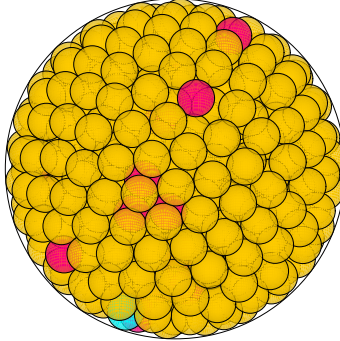
457 spheres in a sphere



radius = 0.109384933764 density = 0.598120550767  
ratio = 9.142026836690 contacts = 1320

N = 458

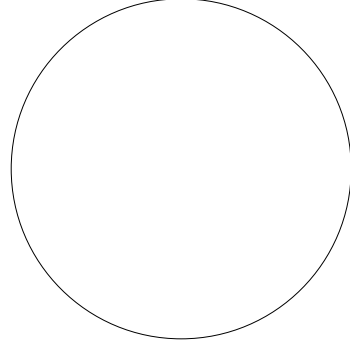
458 spheres in a sphere



radius = 0.109309824972 density = 0.598195407783  
ratio = 9.148308491539 contacts = 1319

N = 459

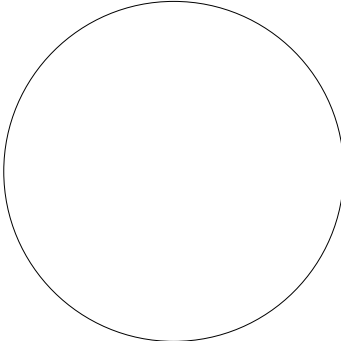
459 spheres in a sphere



radius = 0.109262665873 density = 0.598725924406  
ratio = 9.152257013044 contacts = 1314

N = 460

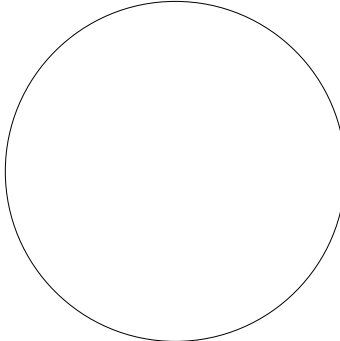
460 spheres in a sphere



radius = 0.109236144306 density = 0.599593504188  
ratio = 9.154479099873 contacts = 1312

N = 461

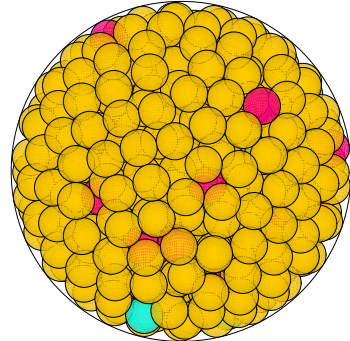
461 spheres in a sphere



radius = 0.109194716250 density = 0.600213552957  
ratio = 9.157952274087 contacts = 1318

N = 462

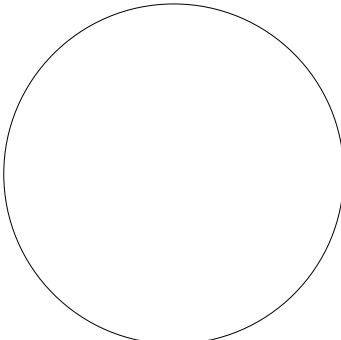
462 spheres in a sphere



radius = 0.109159451241 density = 0.600932934993  
ratio = 9.160910838515 contacts = 1319

N = 463

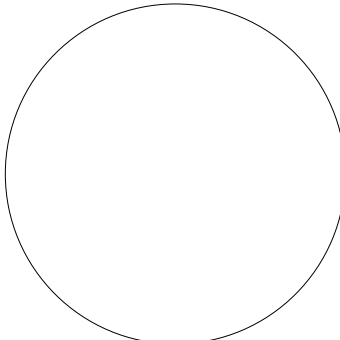
463 spheres in a sphere



radius = 0.109123679767 density = 0.601641795013  
ratio = 9.16391846520 contacts = 1308

N = 464

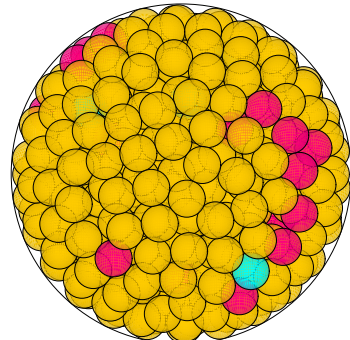
464 spheres in a sphere



radius = 0.109086950906 density = 0.602312628129  
ratio = 9.166999276217 contacts = 1313

N = 465

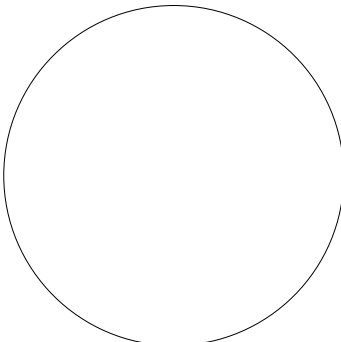
465 spheres in a sphere



radius = 0.109050556704 density = 0.603101455530  
ratio = 9.169680253473 contacts = 1319

N = 466

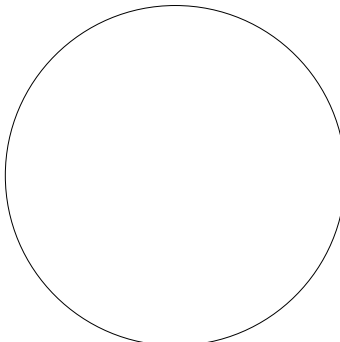
466 spheres in a sphere



radius = 0.109000035467 density = 0.603484103094  
ratio = 9.174308941420 contacts = 1298

N = 467

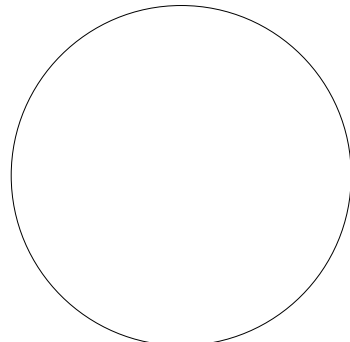
467 spheres in a sphere



radius = 0.108933846376 density = 0.603678065505  
ratio = 9.179883326146 contacts = 1305

N = 468

468 spheres in a sphere



radius = 0.108882556630 density = 0.604116618130  
ratio = 9.184207562265 contacts = 1310