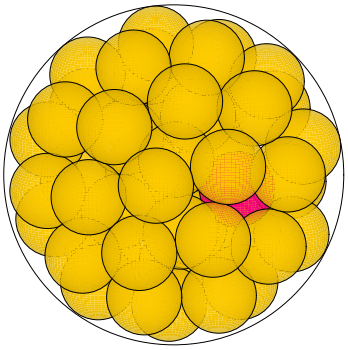
N = 49

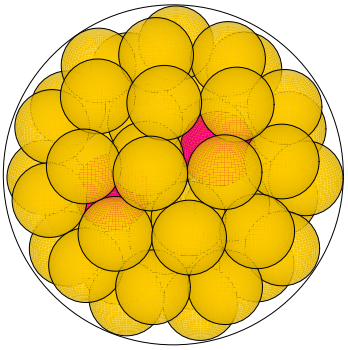
49 spheres in a sphere



radius = 0.221278177007 density = 0.530898911129
ratio = 4.519198474635 contacts = 142

N = 50

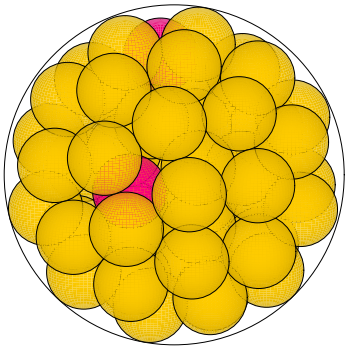
50 spheres in a sphere



radius = 0.219758275796 density = 0.530647009782
ratio = 4.5504543406097 contacts = 142

N = 51

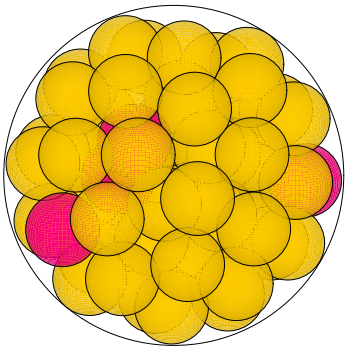
51 spheres in a sphere



radius = 0.218550295807 density = 0.532383236403
ratio = 4.575605795030 contacts = 145

N = 52

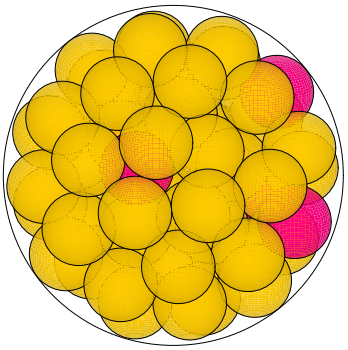
52 spheres in a sphere



radius = 0.216930407731 density = 0.530841223195
ratio = 4.609773293009 contacts = 142

N = 53

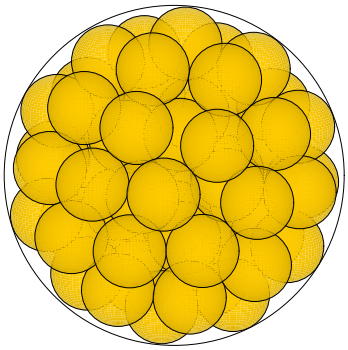
53 spheres in a sphere



radius = 0.216288057367 density = 0.536257636148
ratio = 4.623463783316 contacts = 142

N = 54

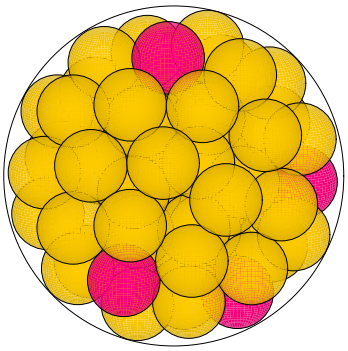
54 spheres in a sphere



radius = 0.214920670908 density = 0.536078417223
ratio = 4.652879575404 contacts = 160

N = 55

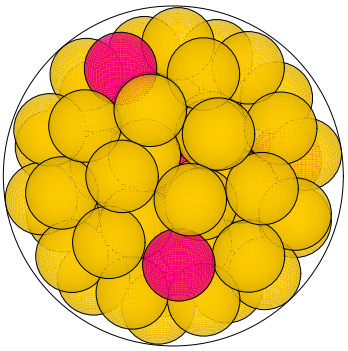
55 spheres in a sphere



radius = 0.213441688789 density = 0.534811127622
ratio = 4.685120351482 contacts = 151

N = 56

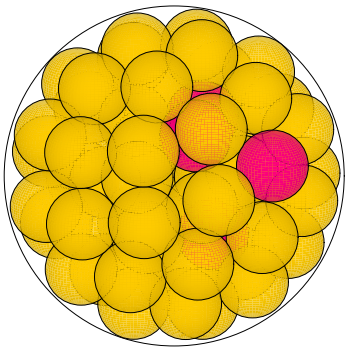
56 spheres in a sphere



radius = 0.213067869308 density = 0.541678896170
ratio = 4.693340217123 contacts = 154

N = 57

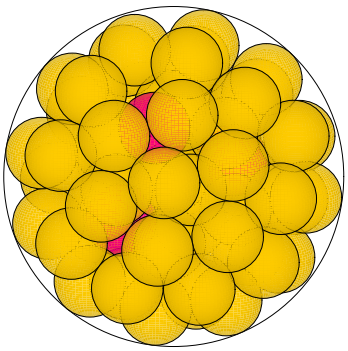
57 spheres in a sphere



radius = 0.211310523700 density = 0.537867407396
ratio = 4.732237604948 contacts = 157

N = 58

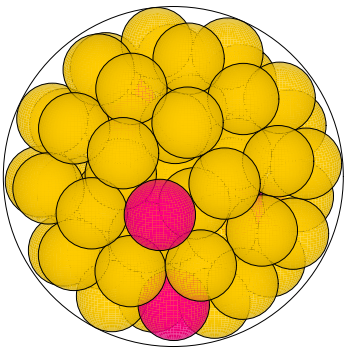
58 spheres in a sphere



radius = 0.210480101312 density = 0.540830438196
ratio = 4.751042943094 contacts = 165

N = 59

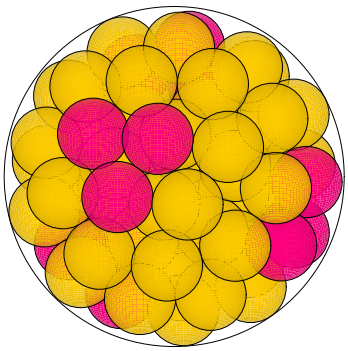
59 spheres in a sphere



radius = 0.209759450876 density = 0.544523495682
ratio = 4.767365645857 contacts = 163

N = 60

60 spheres in a sphere



radius = 0.209426996435 density = 0.551123897404
ratio = 4.774933590333 contacts = 156