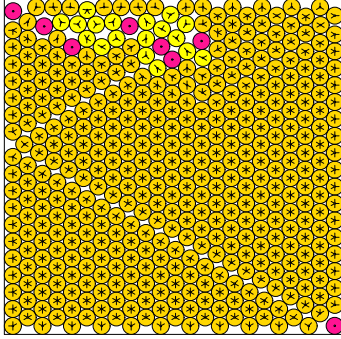


N = 433

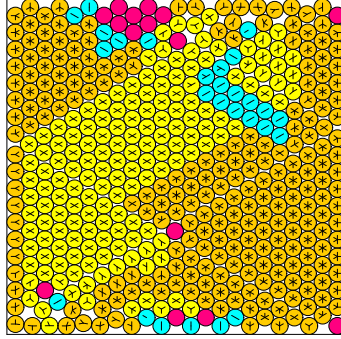
433 circles in a square



radius = 0.025182960489 density = 0.862683193263
 ratio = 39.709390023522 contacts = 1169

N = 434

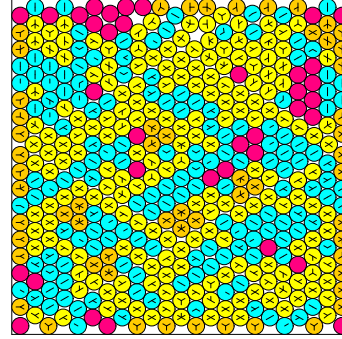
434 circles in a square



radius = 0.025156224969 density = 0.862840540202
 ratio = 39.751592347963 contacts = 942

N = 435

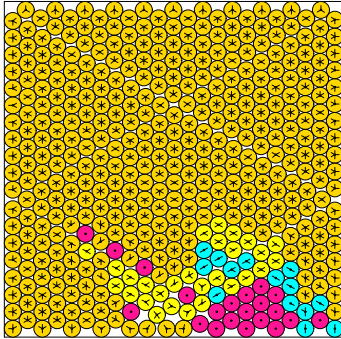
435 circles in a square



radius = 0.025151763316 density = 0.864521910966
 ratio = 39.758643855141 contacts = 617

N = 436

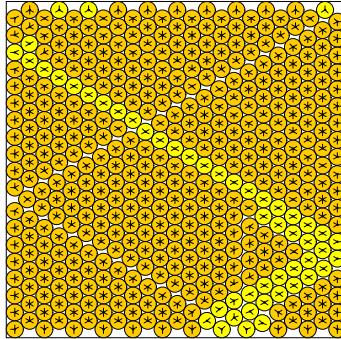
436 circles in a square



radius = 0.025137280789 density = 0.865511723078
 ratio = 39.781550295453 contacts = 1030

N = 437

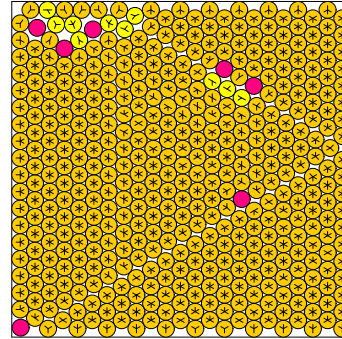
437 circles in a square



radius = 0.025126198386 density = 0.866732094663
 ratio = 39.799096729591 contacts = 1151

N = 438

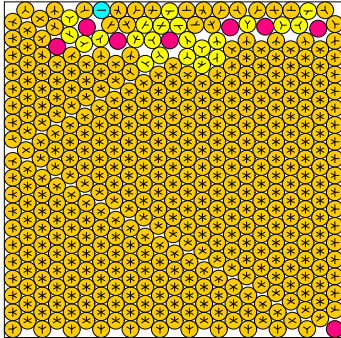
438 circles in a square



radius = 0.025076376038 density = 0.865273754183
 ratio = 39.878170533682 contacts = 1146

N = 439

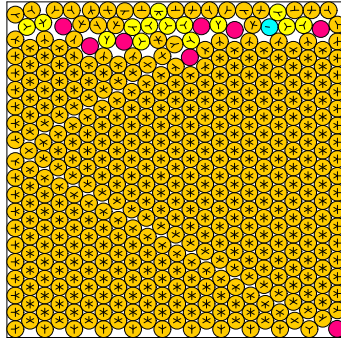
439 circles in a square



radius = 0.025003974798 density = 0.865700493883
 ratio = 39.913826376322 contacts = 1183

N = 440

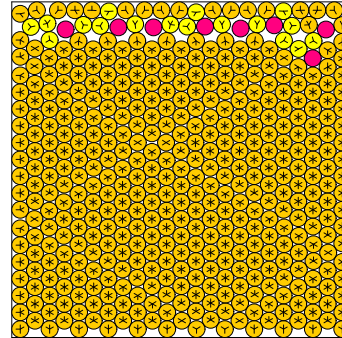
440 circles in a square



radius = 0.025013098179 density = 0.866646525586
 ratio = 39.943943980838 contacts = 1150

N = 441

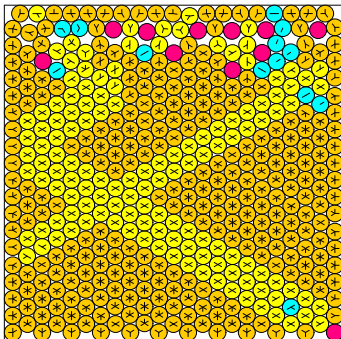
441 circles in a square



radius = 0.025006911553 density = 0.867073370478
 ratio = 39.972959806882 contacts = 1169

N = 442

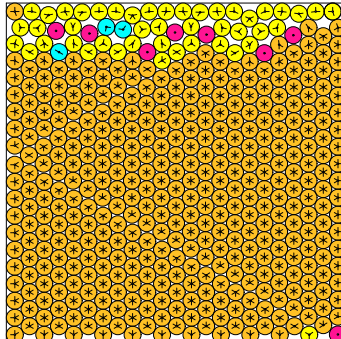
442 circles in a square



radius = 0.025003907110 density = 0.868136259241
 ratio = 39.993749601373 contacts = 989

N = 443

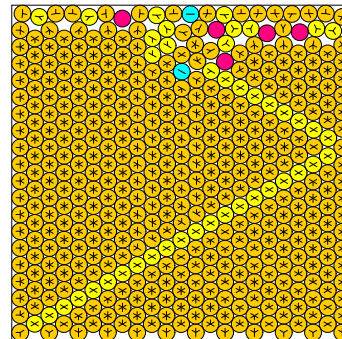
443 circles in a square



radius = 0.024983709840 density = 0.868695263698
 ratio = 40.026081250594 contacts = 1189

N = 444

444 circles in a square



radius = 0.024966396854 density = 0.869310646568
 ratio = 40.057046274573 contacts = 1146