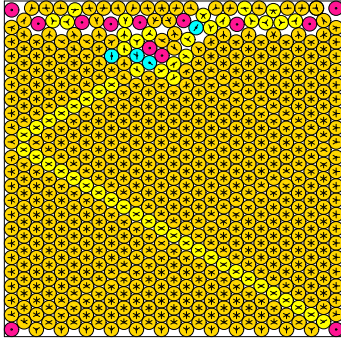


N = 613

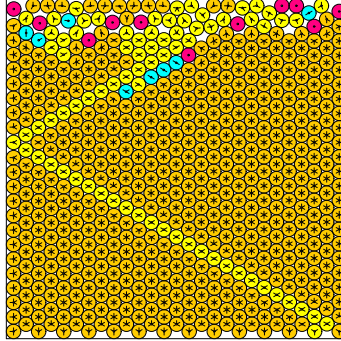
613 circles in a square



radius = 0.021302790880 density = 0.873943497587
 ratio = 46.942206101006 contacts = 1596

N = 614

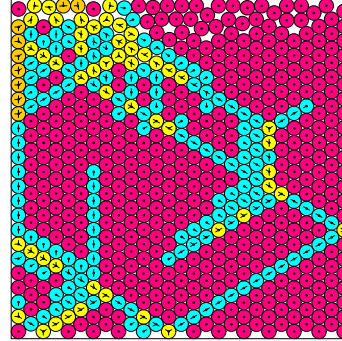
614 circles in a square



radius = 0.021290527138 density = 0.874361592938
 ratio = 46.969245689162 contacts = 1624

N = 615

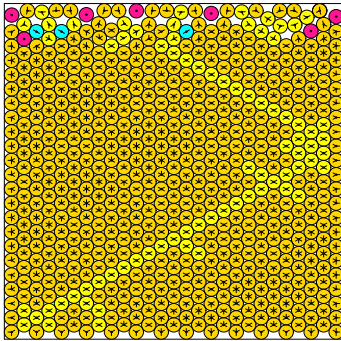
615 circles in a square



radius = 0.021277444688 density = 0.874709672377
 ratio = 46.998124758943 contacts = 232

N = 616

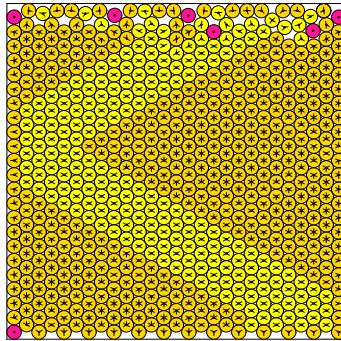
616 circles in a square



radius = 0.021273095430 density = 0.875773826171
 ratio = 47.007733467377 contacts = 1454

N = 617

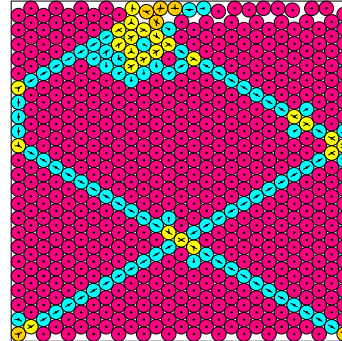
617 circles in a square



radius = 0.021269070386 density = 0.876863623193
 ratio = 47.016629398159 contacts = 1448

N = 618

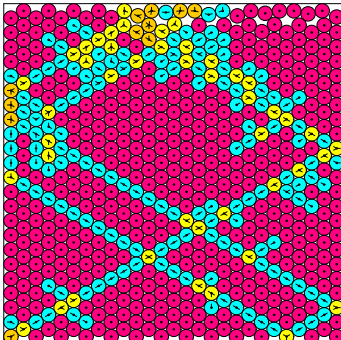
618 circles in a square



radius = 0.021267047925 density = 0.878117772912
 ratio = 47.021100603265 contacts = 133

N = 619

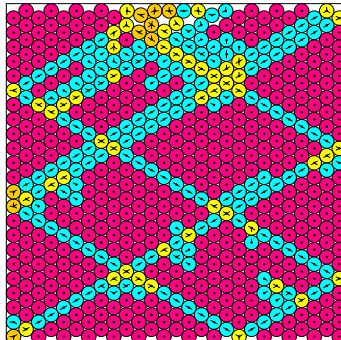
619 circles in a square



radius = 0.021266007591 density = 0.879452627629
 ratio = 47.023400876603 contacts = 229

N = 620

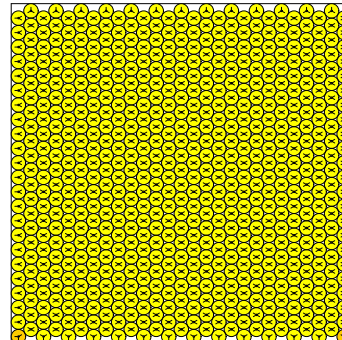
620 circles in a square



radius = 0.021265699935 density = 0.880847904124
 ratio = 47.024081175859 contacts = 259

N = 621

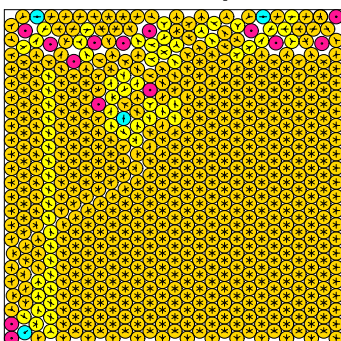
621 circles in a square



radius = 0.021265291745 density = 0.882234757022
 ratio = 47.024983808717 contacts = 1243

N = 622

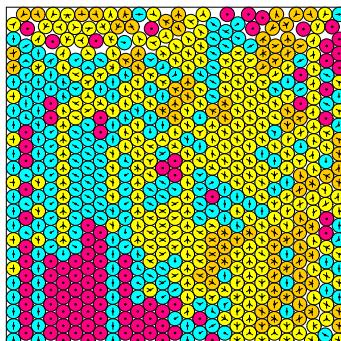
622 circles in a square



radius = 0.021127128010 density = 0.872210247450
 ratio = 47.332510104880 contacts = 1604

N = 623

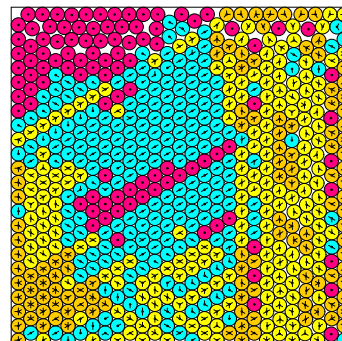
623 circles in a square



radius = 0.021085699585 density = 0.870203752152
 ratio = 47.425124962009 contacts = 802

N = 624

624 circles in a square



radius = 0.021064956712 density = 0.869872506030
 ratio = 47.472207690144 contacts = 810