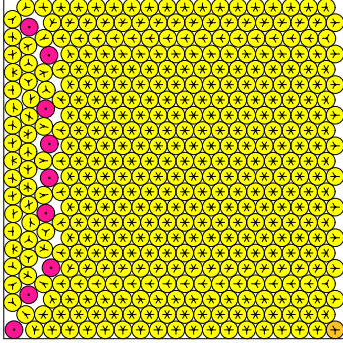


N = 409

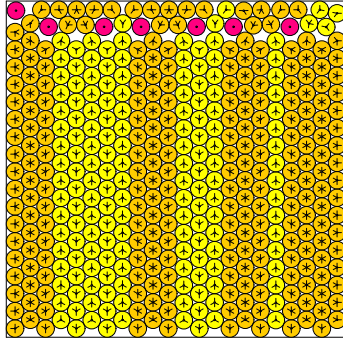
409 circles in a square



radius = 0.025991208757 density = 0.868012812217  
 ratio = 38.474547656967 contacts = 1067

N = 410

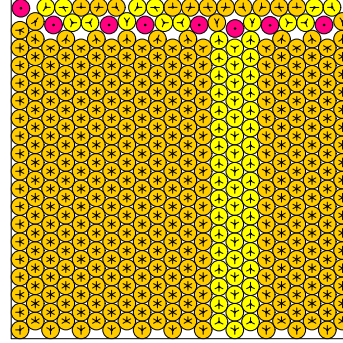
410 circles in a square



radius = 0.025934976580 density = 0.866374078059  
 ratio = 38.557968113971 contacts = 965

N = 411

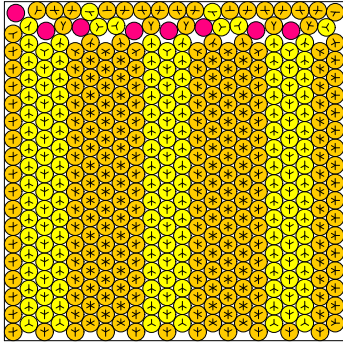
411 circles in a square



radius = 0.025905893192 density = 0.866540441038  
 ratio = 38.601255419946 contacts = 1087

N = 412

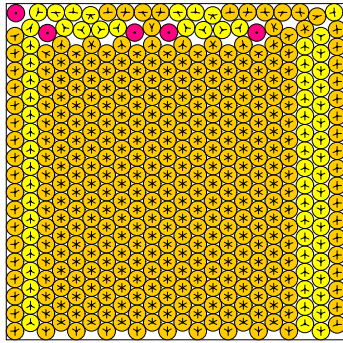
412 circles in a square



radius = 0.0258599981857 density = 0.865573309634  
 ratio = 38.669774248860 contacts = 964

N = 413

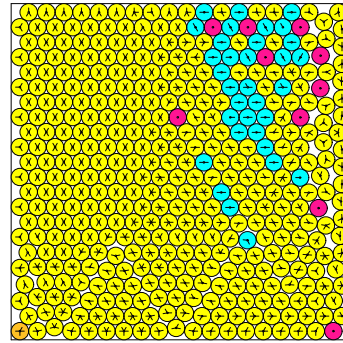
413 circles in a square



radius = 0.025813635952 density = 0.864566266337  
 ratio = 38.739215268407 contacts = 1082

N = 414

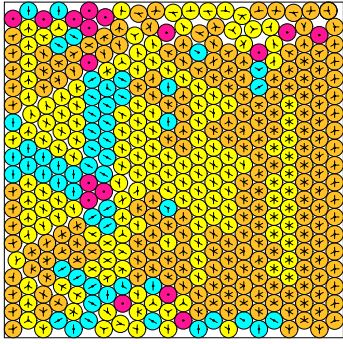
414 circles in a square



radius = 0.025758914881 density = 0.862989157078  
 ratio = 38.821512321958 contacts = 780

N = 415

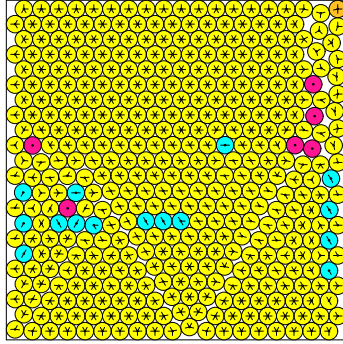
415 circles in a square



radius = 0.025746403825 density = 0.864233552114  
 ratio = 38.840375798109 contacts = 815

N = 416

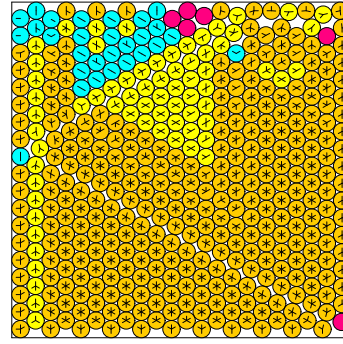
416 circles in a square



radius = 0.025721164520 density = 0.864619368821  
 ratio = 38.878488539152 contacts = 1012

N = 417

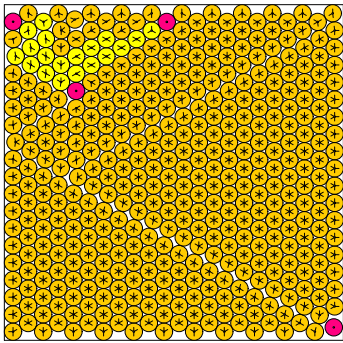
417 circles in a square



radius = 0.025713998519 density = 0.866213761227  
 ratio = 38.889323231634 contacts = 975

N = 418

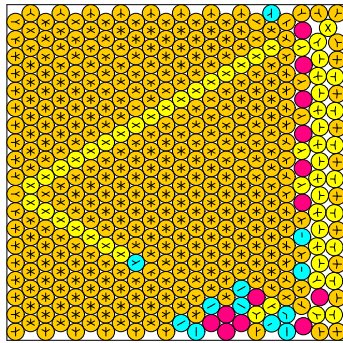
418 circles in a square



radius = 0.025698152553 density = 0.867223348228  
 ratio = 38.913303123714 contacts = 1134

N = 419

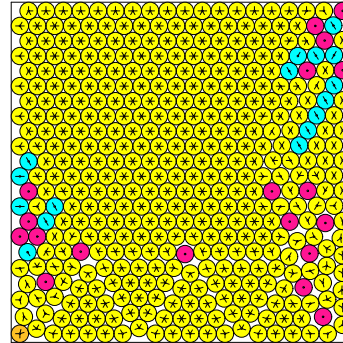
419 circles in a square



radius = 0.025633120545 density = 0.864901908480  
 ratio = 39.012027359777 contacts = 1017

N = 420

420 circles in a square



radius = 0.025536426715 density = 0.860437612287  
 ratio = 39.159746630321 contacts = 1036