22 circles in a 1x0.40000 rectangle
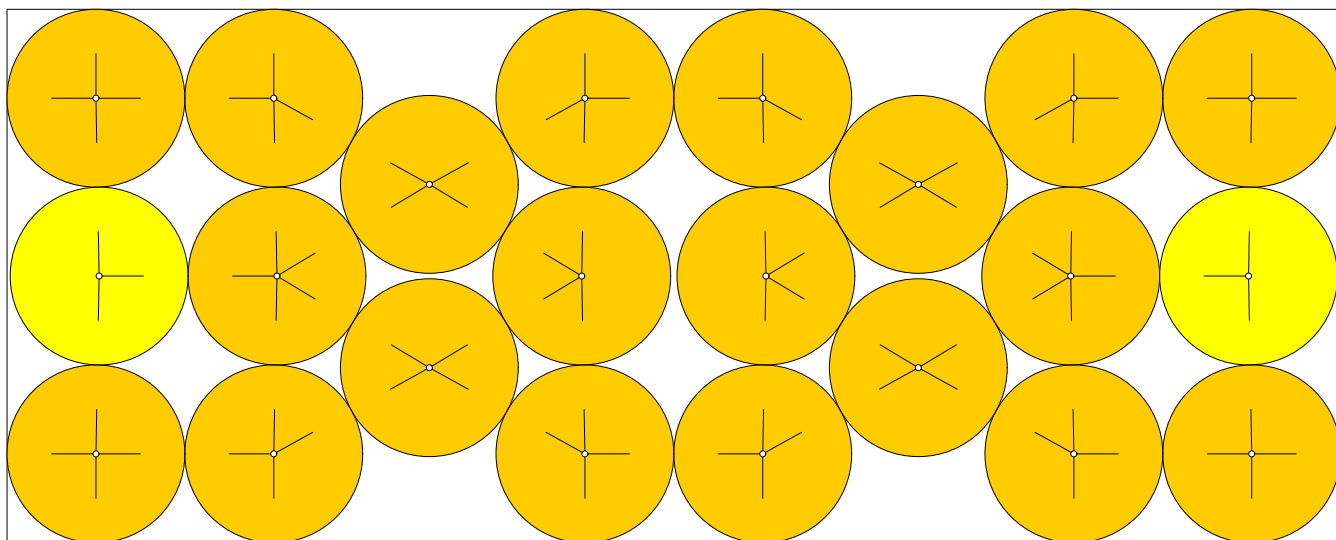

radius =   0.066673730362   density = 0.768107615365

ratio =   5.999364334739   contacts = 52