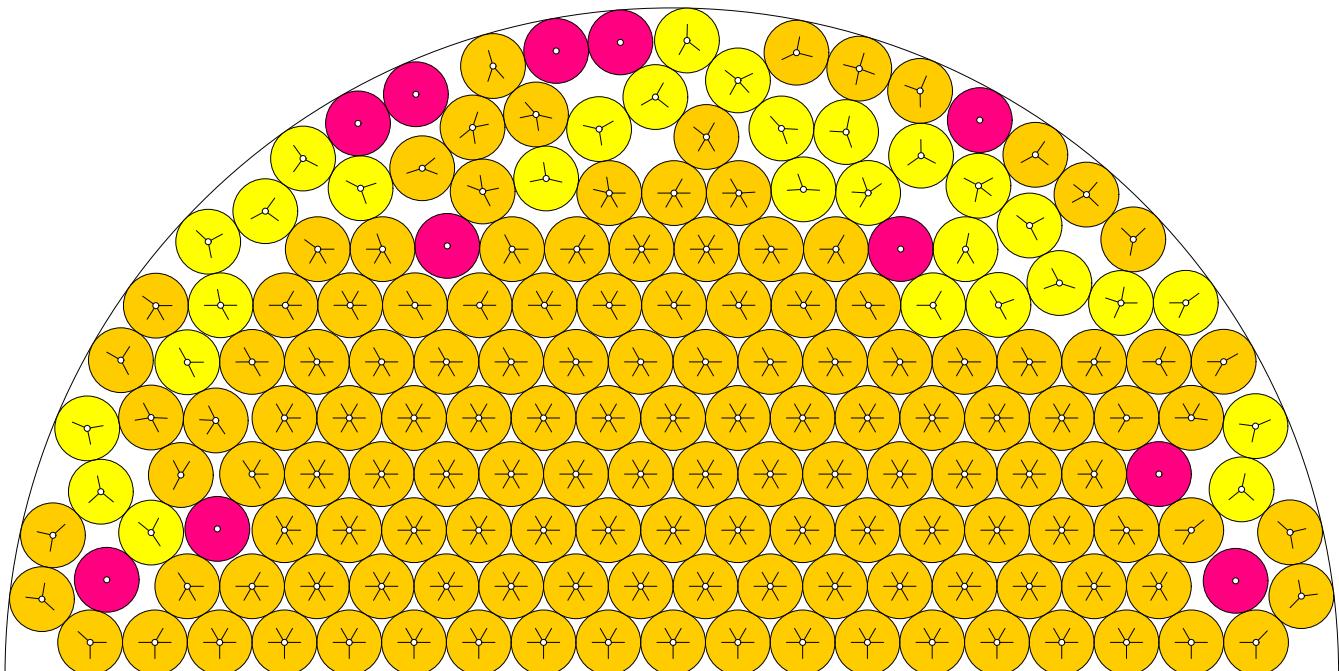


## **177 circles in a semicircle**



**radius = 0.048568609844  
ratio = 20.589430152838**

**density = 0.835054091205  
contacts = 405**

© E. SPECHT &  
D. A. PATERSON  
16-OCT-2010