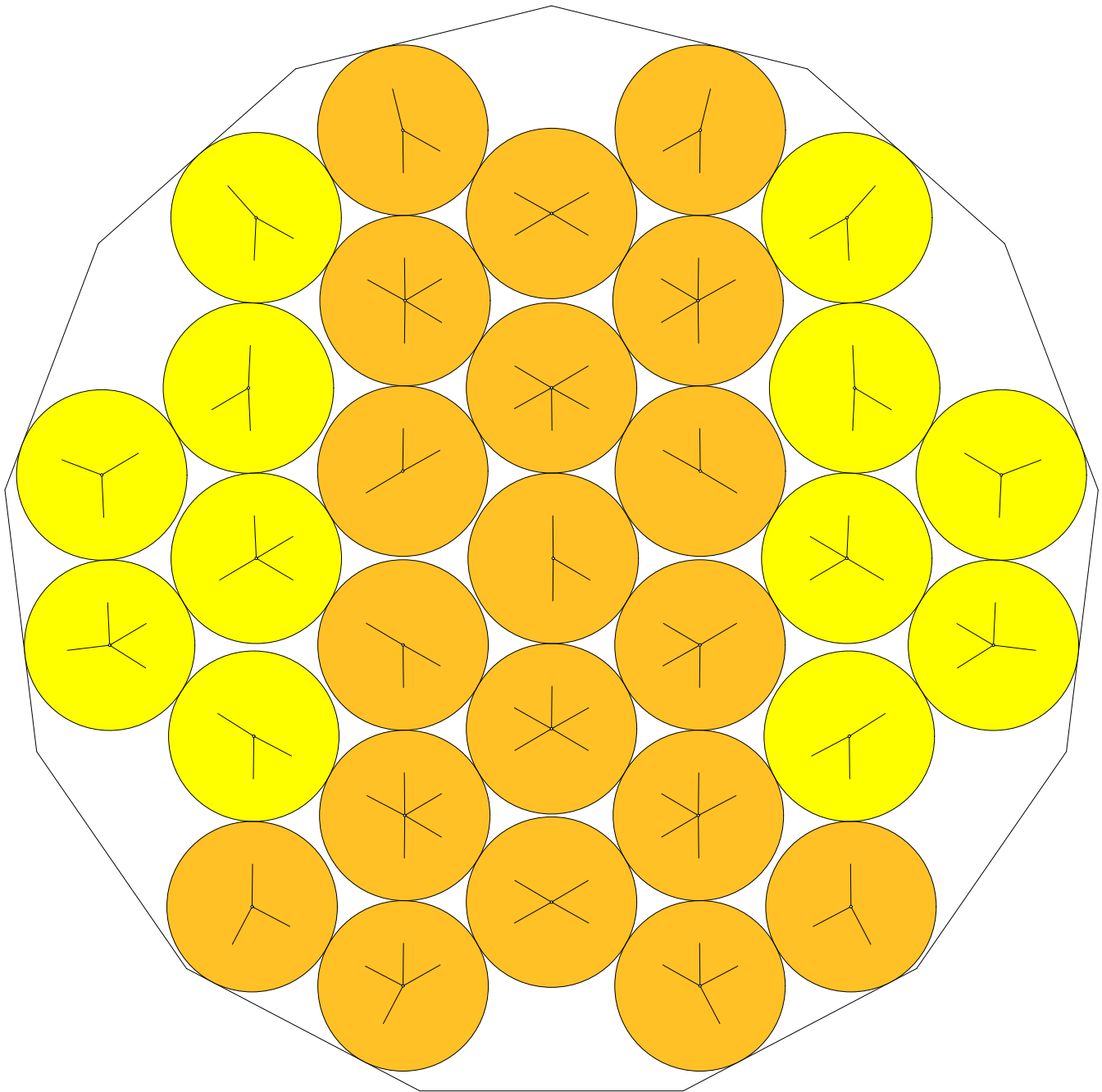


# 31 circles in a tridecagon



**radius = 0.154803458236      density = 0.772618670644**  
**ratio = 6.459804008213      contacts = 63**

© E. SPECHT &  
D.A. PATERSON  
07-DEC-2020