

## Color Density Questions

(S, P)

(5, 87)

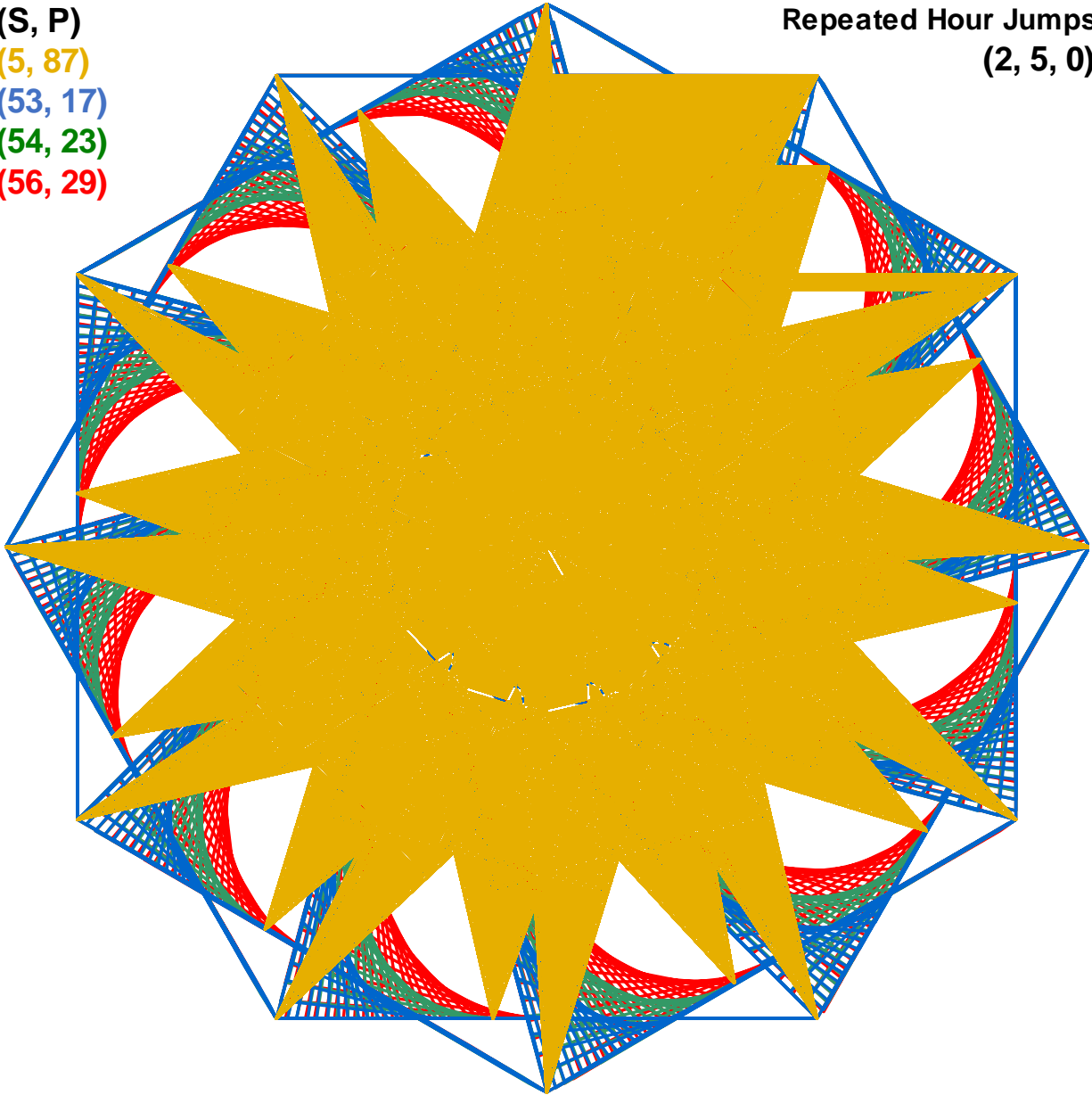
(53, 17)

(54, 23)

(56, 29)

Repeated Hour Jumps

(2, 5, 0)



One might conceptualize this as a spinning fan with a protective gold colored wire cover. Regardless of how you would describe this, it is apparent that there are a lot fewer lines for gold than for the other three colors.

1. Is this purely because  $S$  for gold is about 10 times smaller than  $S$  for the other three colors? Briefly explain your reasoning.
2. Does the gold part of the image have 100% [image density](#)? Try to provide a geometric rationale for your answer rather than simply an algebraic one.
3. How many gold lines are in the image? Compare that to the number of blue, green, and red lines.