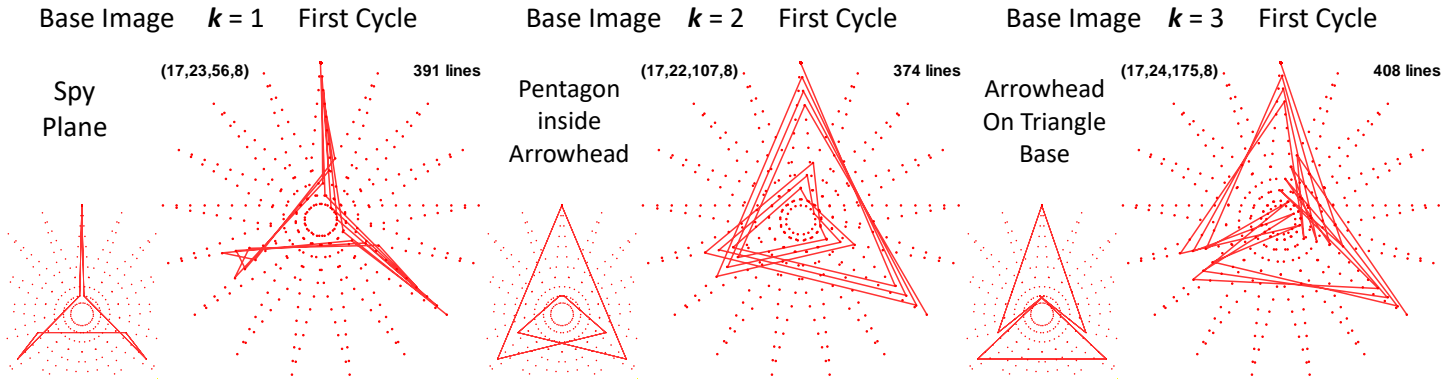
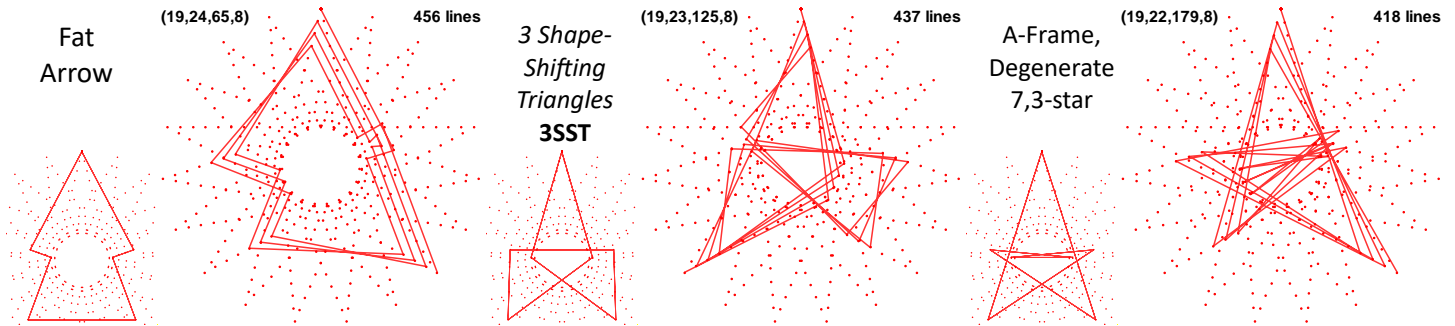


## Four Sets of *Single-Cycle* 7-line Images Beyond 7-Point Stars

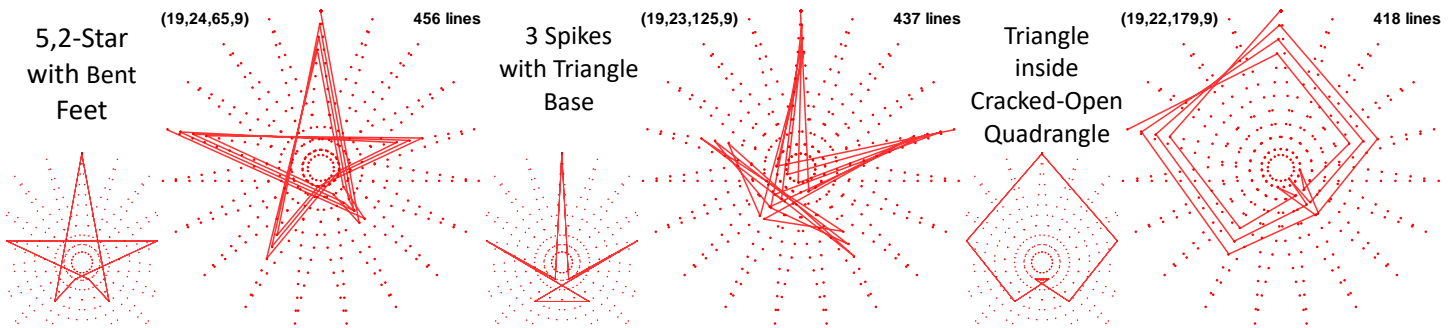
When  $J$  is small relative to  $n/2$  we typically see some form of a  $7,b$ -star but if  $J$  is close to  $n/2$  more complex images often emerge. These images come in sets of three for reasons discussed [here](#). The  $k = 1$  version will not always produce the image shown if  $n$  and  $J$  change. Instead, they rotate in a set of three, whichever base image they start from. The first  $S$  lines (cycle) of the nearest *single-step*  $S > 21$  is shown to highlight the structural distortion pattern to the base image.



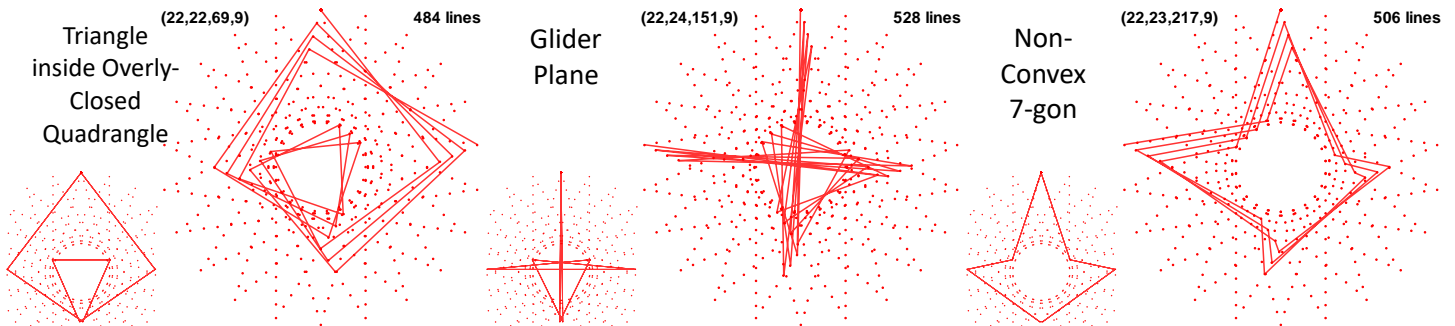
This row is like  $n = 3J - 7$  for  $J < n/2$  and  $J$  not divisible by 7, starting at  $J = 8$ . Also (59, 29).



This row is like  $(n, J)$  pairs: (8,3), (11,5), (19,8), (25,12), (27,11), (29,10), (30,13), (31,15), (36,17), (53,19), (53,26), (59,23).



This row is like these  $(n, J)$  pairs: (19, 9), (23, 11), (24, 11), (29, 13), (33, 16), (34, 15), (37, 18), (53, 24), (59, 25), (59, 27).



This row is like these  $(n, J)$  pairs: (9, 4), (13,5), (17,6), (22, 9), (24, 11), (31, 13), (43, 16), (53, 22).