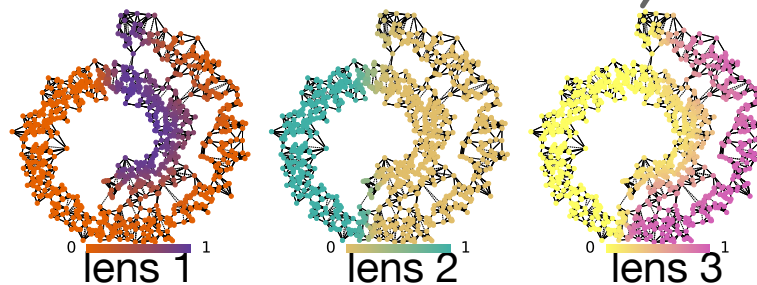
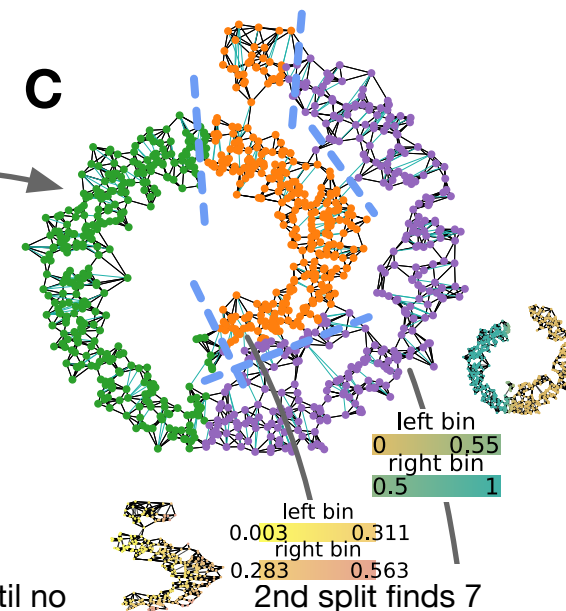


3 class Swiss Roll

B
prediction and lens
(light blue lines are
additional KNN edges
from node embedding)

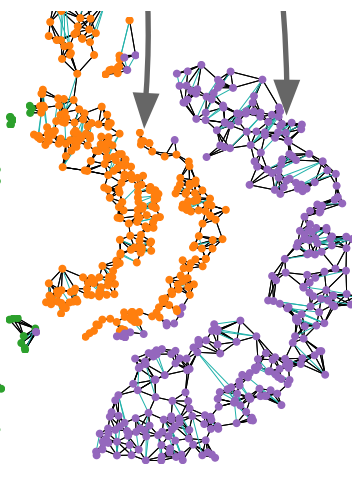


left bin
0 0.55
right bin
0.5 1
splitting over
lens 1 finds 2
components

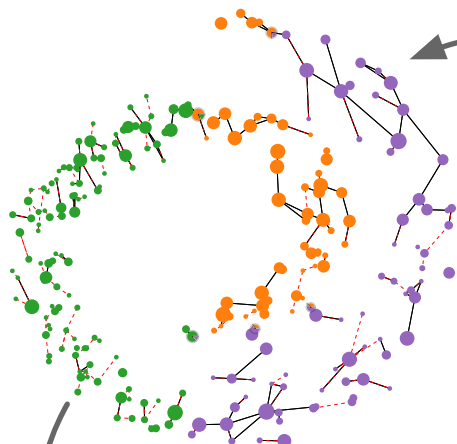


split until no
component
larger than 20

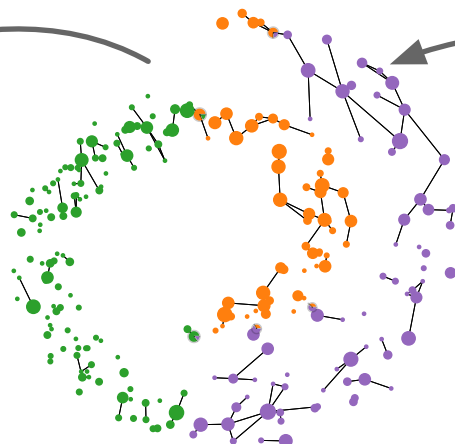
left bin
0 0.55
right bin
0.5 1
left bin
0.003 0.311
right bin
0.283 0.563
2nd split finds 7
components



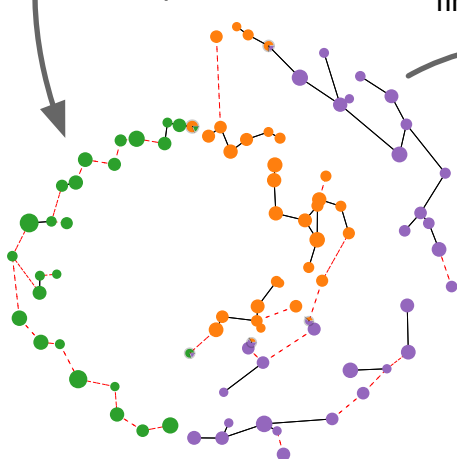
E merging small
nodes



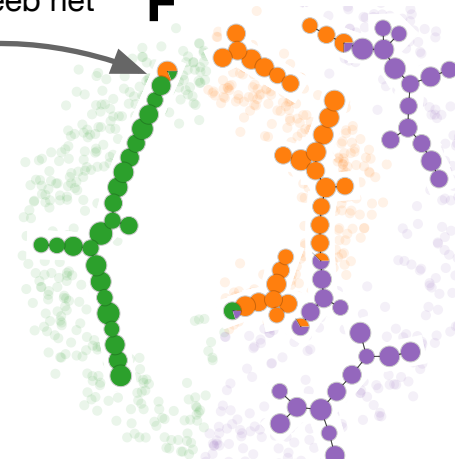
D initial Reeb net



merging small
components



final Reeb net



G two Reeb nets from original TDA with
10 bins or 5 bins along each len

