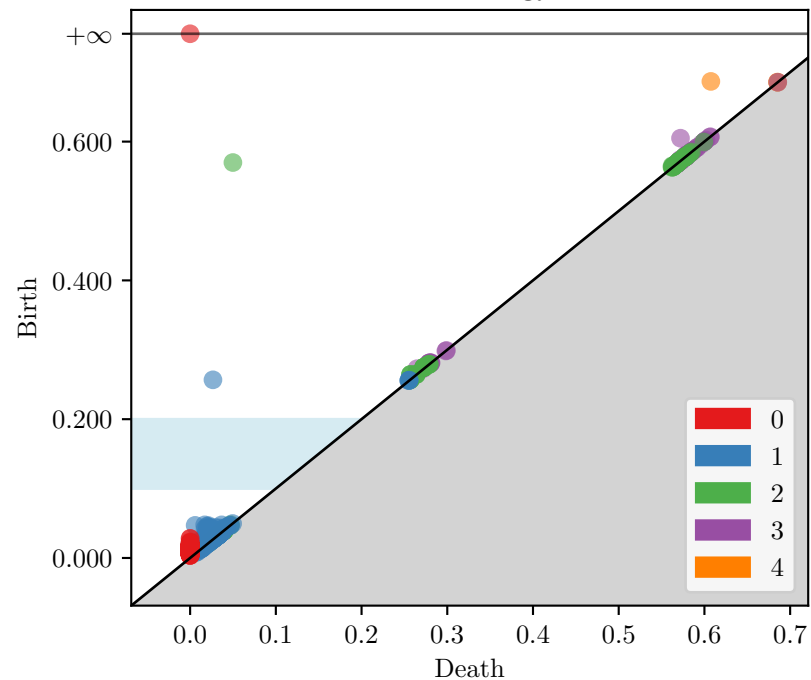
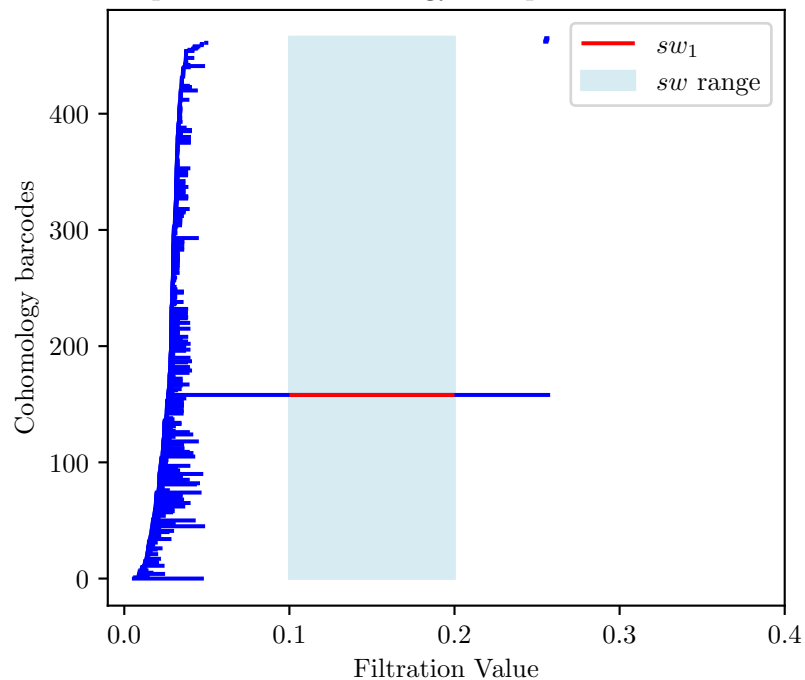


Persistent cohomology of LINES



1st persistent cohomology and persistent SW class



2nd persistent cohomology and persistent SW class

