Diagramming how invariant components of hyperelliptic flat surfaces are connected to each other

Kathryn Lindsey, University of Chicago

The flow in a fixed direction on a flat surface determines a decomposition of that surface into closed invariant sets. If the surface is a hyperelliptic flat surface, we have a clear understanding of how these components can ``sit next to" each other. I will discuss how ``invariant component diagrams" capture this information.