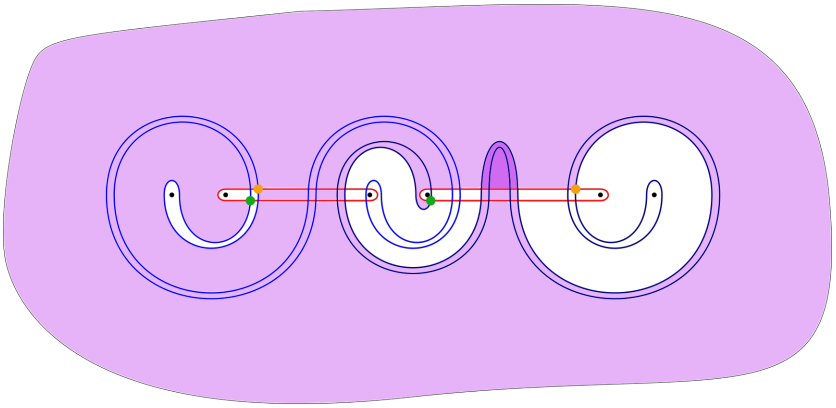
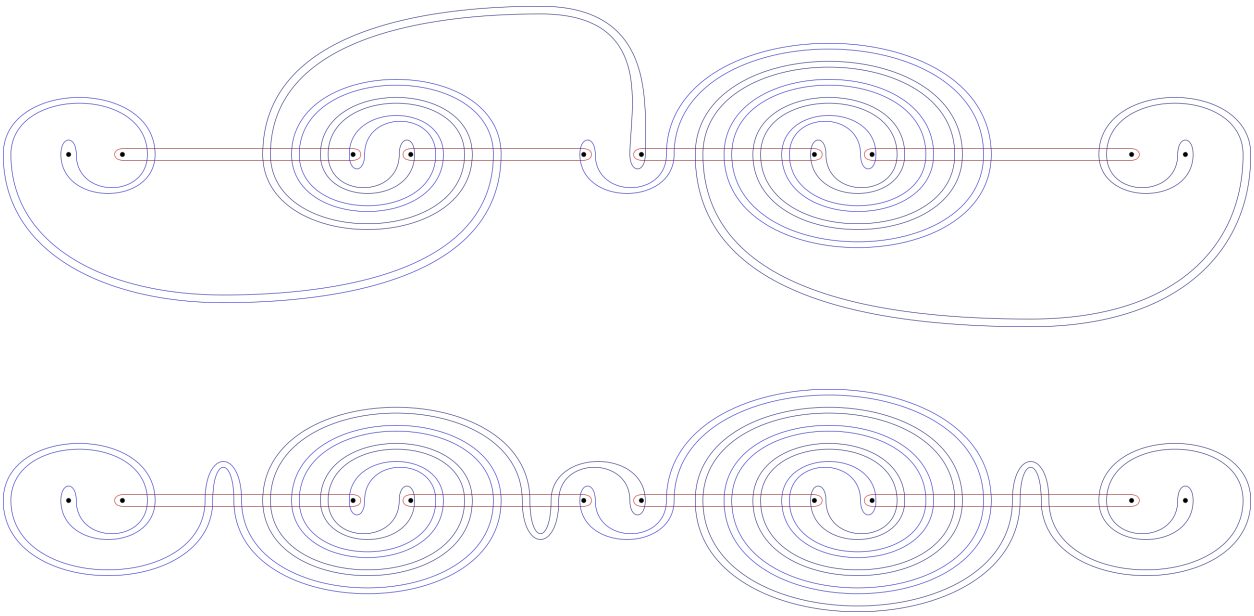
Here's an image (converted from .svg) showing a multi-pointed Heegaard diagram adapted to the pretzel knot $P(3,2,-3)$ in the 3-sphere. I added the purple shading "by hand" to represent something relevant in my work; the rest of this image was produced by a .py script I wrote. It takes as input the twist coefficients of the knot or link of interest, plus optional stylistic inputs, and produces these.



Below are two different diagrams of the same link, $P(3,-4,1,5,-3)$. The second incorporates "finger moves" which bring advantageous trade-offs when the diagram is used to compute knot-Floer invariants of the link.



The source code is available at https://github.com/faarst/Heegaard-SVG.git