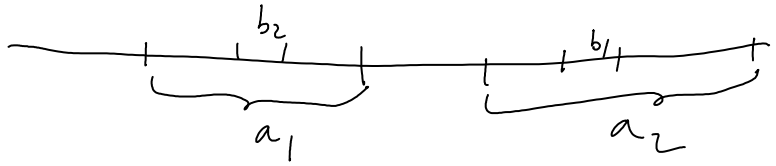
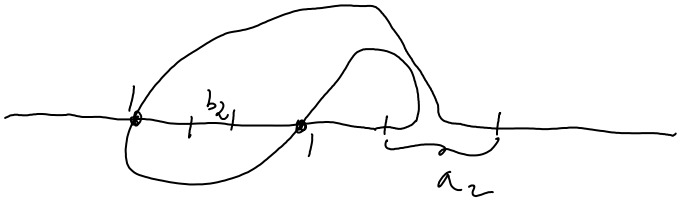
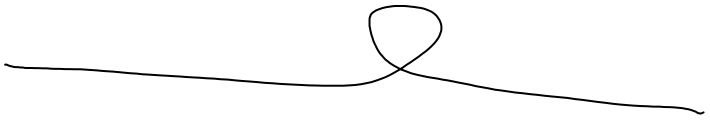
Simply Knotted 1-Knots

January-16-09
4:19 PM





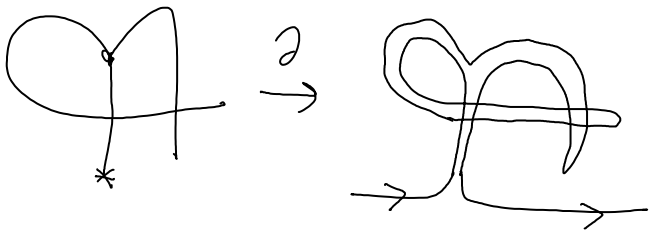
"simple"



"not simple"

Really, I'm looking for Gauss Codes for ribbon knots.

There is a "boundary" map, ∂, from generic immersions of rooted singular trees in the plane to immersions of long lines in the plane, given by:



[likewise it is possible to drop the root and have ∂ go into immersions of circles.]

Question What is $\operatorname{im} \partial$?

Is it just long lines with vanishing rotation number?