

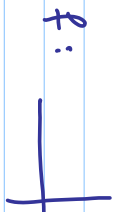
\sqrt{z}

Note Title

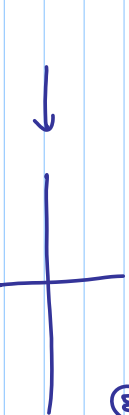
6/28/2009

$$f(z) = \sqrt{z}$$

(z)

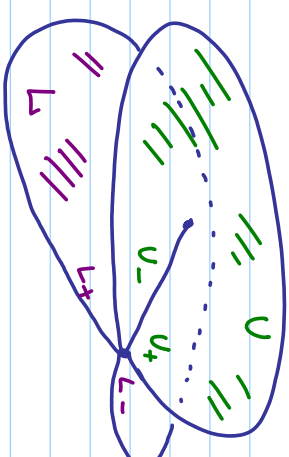
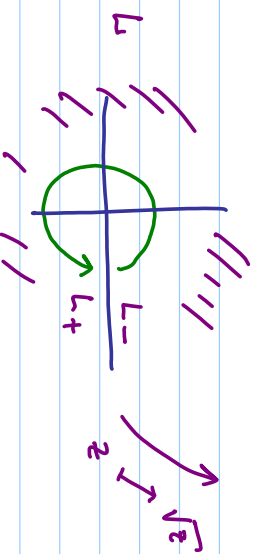
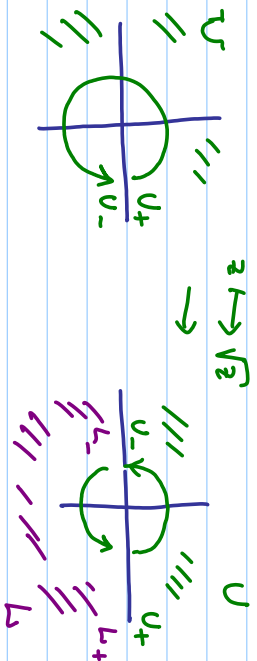


(w)



$$z \mapsto w = \sqrt{z}$$

$$z = w^2$$



This picture illustrates how two planes

a glued together along cuts U_+ , L_+

U_+ glued to L_+ , L_- glued to U_-

There is no intersection of the

" (L_+, U_+) -plane" with " (U_-, L_-) -plane"

(it is only in the 3d projection

they intersect (as any two embedded

non-parallel planes).