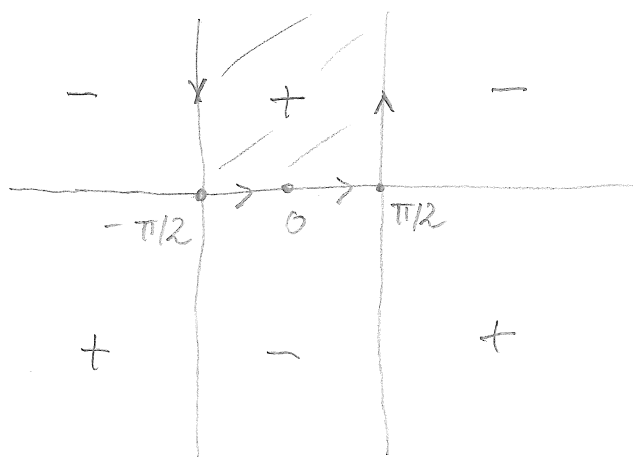


$$\sin^{-1} x = \int_0^x (1-y^2)^{-1/2} dy.$$



\sin^{-1} maps the upper half plane 1:1 onto the shaded strip

by reflection in the punctured plane $\mathbb{C} - (\pm 1)$, it produces a full tiling of the target plane by congruent, nonoverlapping images of the upper (+) and lower (-) half planes