

 $(1, -1, q\bar{c}, -a\bar{c}) = \frac{1 - a\bar{c}}{1 + q\bar{c}} - 1 + a\bar{c}$ $\left(\left| -a \right| \right)^{4}$ $(|+a^{e})^{2}$ $\left(\left|-a\,\hat{c}\right\rangle^{2} = \left(\left|-a^{2}\right\rangle\right) - 2a\,\hat{c}$ $(1-ai)^{4} = \int (1-a^{2})^{2} - 4a^{2} - 4a(1-a^{2})i$ $\alpha\left(\left|-a^{z}\right.\right)=0$ =7 $a=0, u=\pm($

Remark: one can shear by similar techniques that gives two ideal points there 13 a hypebolic line passing thrange both. (13 at nost one, by above, so it is unique!) one pourt of intersection MD (ad one outside 5') "not porallel" no interactions in Dor on S': hyperporallel ore intersection on 5' (note in D): parallel

Angle of ponallelism.	
line: L point p rot on L.	
	ideal points
	. .

angle of porallelissm. construction & is less Him angle. a company

		. .
We mue violated	postalate 5	
		. .

Hyperbolic transformations at most two (anless the id) Möbrus trasformations >> one is presible, but not none. Seppose Tisa hyperbolic transformation ond p&S is a fixed point. T(p) = p $T(p^{*}) = (T(p))^{*} = p^{*}$

Hyperbolie Rotat 2-9 (2) - 92 $\overline{(0)} = \overline{(-2)}$ 7 (0)= 0 T (00) = 00

	$T(z) = \lambda z$	$\lambda = e^{-c\theta}$	· ·
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