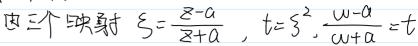
茹科夫斯基映射推导

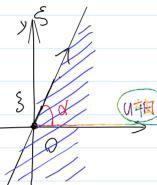
Thursday, October 26, 2023

(1)函数在除 &=0, &= ta外均是解析的;



X额 的有天旁远点则专案过去=a,8=-Q所园 由于保图性,映射为一条过原点的直线

Z为实数时, ξ世为实数一即X和映射为以有

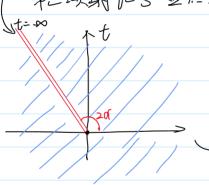


$$\frac{1}{100} \cdot \frac{dS}{dS} = \frac{1 \cdot (z+\alpha) - (z-\alpha)}{(z+\alpha)^2} = \frac{2\alpha}{(z-\alpha)^2} > 0$$

故在 对在至三0处向右移动图的多沿第三0向右移动

由保角性,与X轴的新应等于与W轴之间的铁角

即:《相风(由Xia外切伤确定)



t=∞断 W=-Q,又实敏映实数→20相跨

直传割痕→映射成圆弧