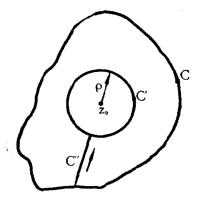
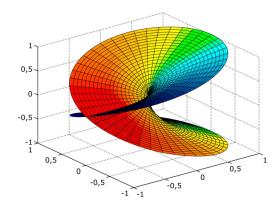
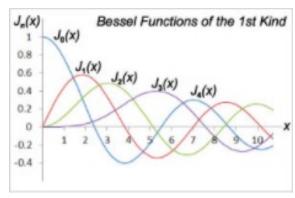


数学物理方法



多值函数的 单值化与黎曼面





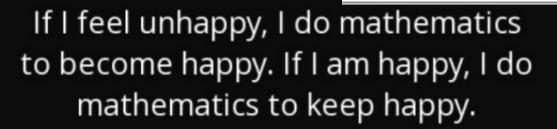
黄发朋 huangfp8@sysu.edu.cn



数学对话录

(匈牙利) 阿尔弗雷德·雷尼 (Alfréd Rényi) 著

MEXING ENVIRENT PRESS

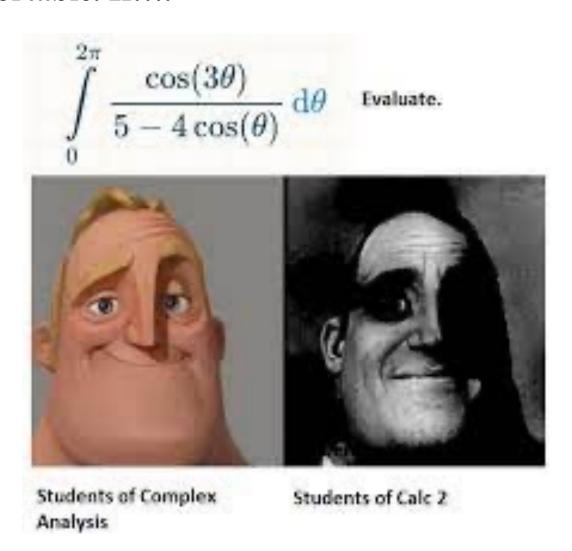


— Alfred Renyi —

AZ QUOTES



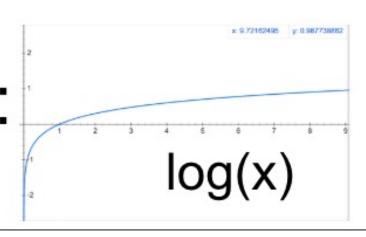
If I feel uncomfortable, I do mathematics to become comfortable. If....



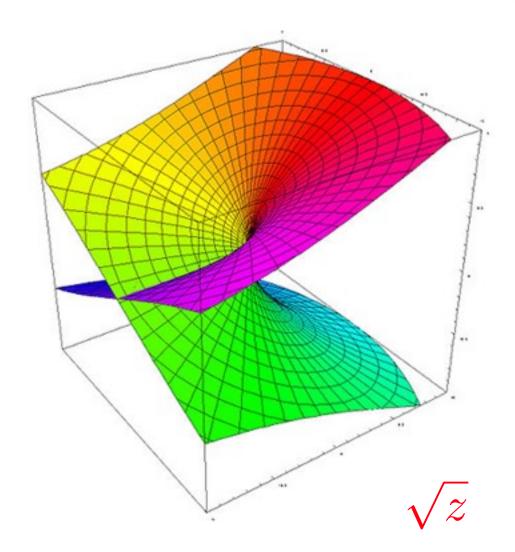
Me: Mom, can I have a log(z)?

Mom: No, we have log(z) at home

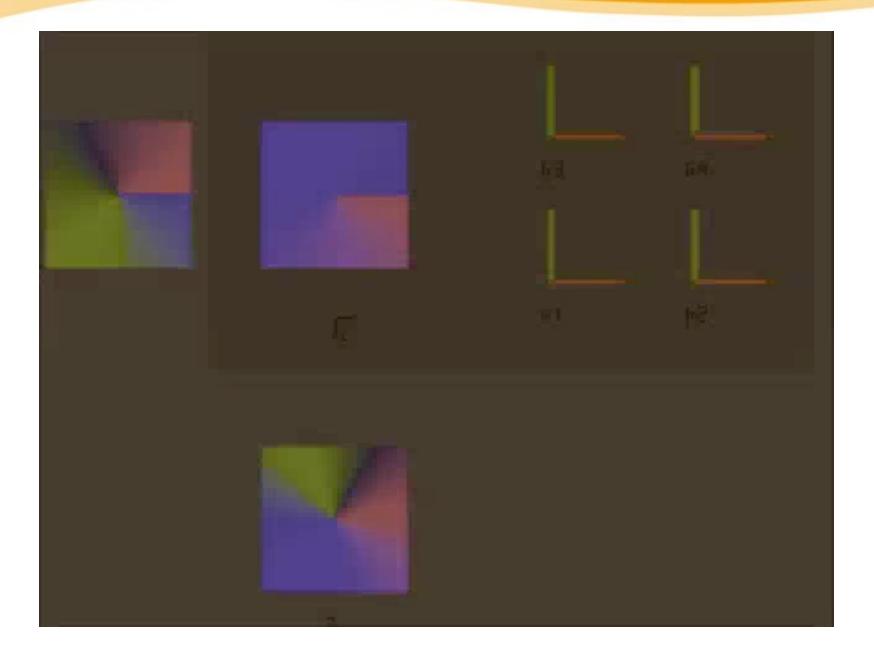
log(z)at home:



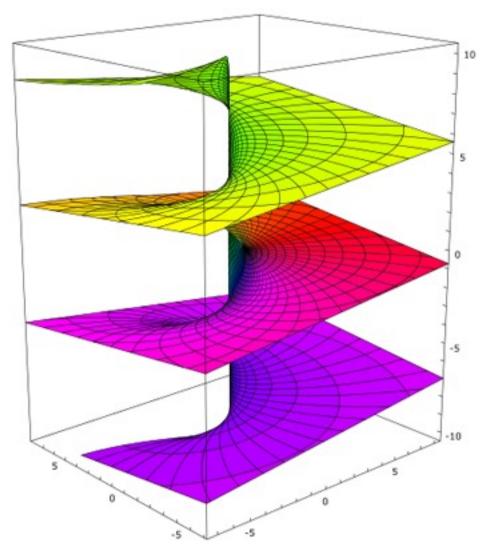
双叶黎曼面



复变函数开根号对应两个单值分枝,两枝都取割线,以满足连续性的要求. 粘在一起形成黎曼面,从而得到单值函数。



无穷叶黎曼面



复变函数取对数对应无穷多个单值分枝