

1062-30-143

Hiroshige Shiga* (shiga@math.titech.ac.jp), O-okayama, Meguro-ku, Tokyo, 152-8551, Japan. *On the number of holomorphic families of Riemann surfaces.*

Let B be a Riemann surface of finite type. It is known that the number of locally non-trivial holomorphic families of Riemann surfaces of type (g, n) ($2g - 2 + n > 0$) over B is finite. In this talk, we estimate the number of holomorphic families in terms of the hyperbolic geometry of B . (Received August 04, 2010)