

1007-14-138

Emilio Bujalance and **Francisco-Javier Cirre*** (jcirre@mat.uned.es), Department of Pure Mathematics, Facultad de Ciencias, UNED, C/Senda del Rey, s/n, 28040 Madrid, Spain, and **Jose-Manuel Gamboa**. *Ramified normal coverings of hyperelliptic Klein surfaces*. Preliminary report.

In this communication we shall study ramified coverings $\pi : X \rightarrow Y$ where X is a hyperelliptic planar Klein surface. In terms of real algebraic curves, this type of surfaces correspond to hyperelliptic M-curves, that is, hyperelliptic curves with a maximum number of ovals. Explicit descriptions of the coverings in terms of algebraic equations are given. Similar results of the case of hyperelliptic Riemann surfaces were obtained by Horiuchi in 1979. (Received February 17, 2005)