

1040-55-8

**Natalia Andrea Viana Bedoya\*** (naviana@ime.usp.br), Av. Jaguare #403 Ap. 83, Sao Paulo, SP. *Classification of decomposable primitive branched coverings on closed surfaces*. Preliminary report.

Given a branched covering of degree  $d$  between closed surfaces, it determines a collection of partitions of  $d$ , the branch data. I will talk about the complete classification of decomposable primitive branched coverings on orientable surfaces of positive genus in terms of its branch data. That means, given a branch data, we answer the questions about whether or not it can be realized by a decomposable primitive branched covering, whether or not it can be realized by a primitive branched covering that does not admit decomposition and whether or not it can be realized by both. Finally, I will present some recent results we obtained on the non-orientable case. (Received December 11, 2007)