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**Camilo Ramirez Maluendas\*** (camilomaluendas@gmail.com), Granada 69 Fracc. La Huerta, 58080 Morelia, Michoacan, Mexico. *Veech groups in flat surfaces of infinite genus*. Preliminary report.

We construct a tame flat surface  $S$  with  $n$ -ends, each end having infinite genus, such that its Veech group is either:  $P = \left\{ \begin{pmatrix} 1 & t \\ 0 & s \end{pmatrix} \in GL_+(2, R) : t \in R \wedge s > 0 \right\}$ ,  $P' = \langle B, -Id : B \in P \rangle$  or a finite subgroup in  $GL_+(2, R)$ . This work extends previous results by Przytycki, Weitze-Schmithüsen and Valdez. See [5].

Keywords: Flat surface, Veech groups.

## References

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