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Angel Carocca (angel.carocca@ufrontera.cl), Temuco, Chile, and **Sebastián Reyes-Carocca*** (sebastian.reyes@ufrontera.cl), Temuco, Chile. *Riemann surfaces of genus $1 + q^2$ with $3q^2$ automorphisms.*

In this talk we discuss a classification of compact Riemann surfaces of genus $1 + q^2$ with a group of automorphisms of order $3q^2$, where q is a prime number. We also study decompositions of the corresponding Jacobian varieties. (Received December 11, 2019)