1176-30-297   **Ewa Kozlowska-Walania*** (`retrakt@mat.ug.edu.pl`), , Poland. *Some properties of extremal Riemann surfaces.*

A closed Riemann surface of genus $g \geq 2$ shall be called extremal if it admits the maximal possible number of non-conjugate symmetries or if it admits the maximal number of ovals for a set of non-conjugate symmetries with fixed points. These cases are to be called s-extremal and o-extremal respectively. We shall present a variety of recent results concerning such surfaces, in particular we show the structure of the automorphism group for an extremal Riemann surface and find defining equations in an o-extremal abelian configuration. (Received January 25, 2022)