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Leon A Takhtajan* (leontak@math.stonybrook.edu), Department of Mathematics, Stony Brook University, Stony Brook, NY 11794-3651. “*Kähler metrics and Chern forms on the moduli space of punctured Riemann surfaces*”.

I will review known properties of the WP and TZ metrics on the moduli space of punctured Riemann surfaces, discuss Chern forms of the associated line bundles and some open problems. This is a joint work with J. Park and L.P. Teo. (Received January 20, 2016)