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Dawei Chen* (dawei.chen@bc.edu), Boston College, Chestnut Hill, MA 02467, and **Martin Moeller** and **Adrien Sauvaget**. *Volume and Segre class of the cotangent bundle of the moduli space of curves.*

The cotangent bundle of the moduli space of curves can be identified with the moduli space of quadratic differentials, which carries a natural volume form. In this talk I will explain how to compute this volume via the top Segre class of the cotangent bundle and certain linear Hodge integrals. (Received January 06, 2021)