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Paolo Aluffi, Leonardo Mihálcea* (lmihalce@math.vt.edu), **Jorg Schurmann** and **Changjian Su**. *Positivity of characteristic classes*.

Motivated by the theory of stable envelopes of Okounkov and collaborators, Cotangent Schubert Calculus is a generalization of Schubert Calculus where the ordinary Schubert classes are replaced by characteristic classes of Schubert cells. A study of these classes leads to many positivity and log concavity properties, most of them conjectural. I will survey some of these statements, and explain the ideas behind the proofs of the known results. Our main examples are the positivity of the expansion of Chern-Schwartz-MacPherson classes into Schubert classes, and the sign-alternating property of the Schubert expansion of the Segre-MacPherson classes. Joint work with P. Aluffi, J. Schurmann, C. Su. (Received January 17, 2020)