

## Julia Pieltant



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## Publications

- On the tensor rank of multiplication in nite extensions of nite elds and related issues in algebraic geometry.* Stéphane Ballet, Jean Chaumine, Julia Pieltant, Matthieu Rambaud, Hugues Randriambololona, Robert Rolland. Russian Mathematical Surveys, accepté (2020).
- Tower of algebraic function elds with maximal Hasse-Witt invariant and tensor rank of multiplication in any extension of  $F_2$  and  $F_3$ .* Stéphane Ballet, Julia Pieltant. Journal of Pure and Applied Algebra, Volume 222, Issue 5, pp. 1069-1086 (2018).
- On some bounds for symmetric tensor rank of multiplication in nite elds.* Stéphane Ballet, Julia Pieltant, Matthieu Rambaud, Jeroen Sijsling. Proceedings of the Conference Arithmetic, Geometry and Coding Theory, "AGCT 2015", A. Bassa, A. Couvreur, and D. Kohel (Eds.), AMS Contemporary Mathematics 686, pp. 93-121 (2017).
- New uniform and asymptotic upper bounds on the tensor rank of multiplication in extensions of nite elds.* Julia Pieltant, Hugues Randriam. Mathematics of Computation 84, pp. 2023-2045 (2015).
- Shimura modular curves and asymptotic symmetric tensor rank of multiplication in any nite eld.* Stéphane Ballet, Jean Chaumine, Julia Pieltant. Proceedings of "5th International Conference on Algebraic Informatics", T. Muntean, D. Poulakis, and R. Rolland (Eds.): CAI 2013, LNCS 8080, pp. 160-172 (2013).
- On the tensor rank of multiplication in any extension of  $F_2$ .* Stéphane Ballet, Julia Pieltant. Journal of Complexity 27, pp. 230-245 (2011).

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