

Vladimir Chernousov

Current Publications:

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- Chernousov V., Lourdeaux A., Pianzola A., [A characterization of groups of type \$F_4\$ arising from the first Tits construction](#), *Preprint*.
- Chernousov V., Rapinchuk A., Rapinchuk I., [Simple algebraic groups with the same maximal tori, weakly commensurable Zariski-dense subgroups, and good reduction](#), *Preprint*.
- Alsaody S., Chernousov V., Pianzola A., [R-triviality of groups of type \$F_4\$ arising from the first Tits construction](#), *Bulletin London Math. Society*, 53 (2021), no. 2, 535-547.
- Alsaody S., Chernousov V., Pianzola A., [On the Tits-Weiss conjecture and the Kneser-Tits conjecture for \$E_{7,1}^{78}\$ and \$E_{8,2}^{78}\$](#) , *Forum of Mathematics, Sigma* 9 (2021), 1-25.
- Chernousov V., Rapinchuk A., Rapinchuk I., [The finiteness of the genus of a finite-dimensional division algebra, and some generalizations](#), *Israel J. Math.* 236 (2020), no. 2, 747-799.
- Nivedita Bhaskhar, Chernousov V., Merkurjev A., [The norm principle for type \$D_n\$ groups over complete discretely valued fields](#), *Transactions of the AMS*, 372 (2019), 97-117.
- Chernousov V., Rapinchuk A., Rapinchuk I., [Spinor groups with good reduction](#), *Compositio Math.*, 155 (2019), 484-527.
- Chernousov V., Neher E., Pianzola A., [Conjugacy of Cartan subalgebras in EALAS with a non-fgc-centreless core](#), *Trans. Moscow Math. Soc.*, 78 (2017), 235-256.
- Chernousov V., Gille P., Pianzola A., [A classification of torsors over Laurent polynomial rings](#), *Comment. Math. Helv.*, 92 (2017), no. 1, 37-55.
- Chernousov V., Neher E., Pianzola A., [On conjugacy of Cartan subalgebras in non-fgc Lie tori](#), *Transformation Groups*, 21 (2016), 1003-1037.
- Chernousov V., Rapinchuk A., Rapinchuk I., [On some finiteness properties of algebraic groups over finitely generated fields](#), *C. R. Acad. Sci. Paris, Ser. I*, 354 (2016), 869-873.

- Chernousov V., Gille P., Pianzola A., [Three-point Lie Algebras and Grothendieck's dessins d'enfants](#), *Mathematical Research Letters*, 23 (2016), 81–104.
- Chernousov V., Rapinchuk A., Rapinchuk I., [On the size of the genus of a division algebra](#), *Proceedings of the Steklov Institute of Mathematics*, 292 (2016), 63–93.
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- Chernousov V., Rapinchuk A., Rapinchuk I., [Division algebras with the same maximal subfields](#), *Russian Math. Surveys*, 70:1 (2015), 91–122.
- Babic A., Chernousov V., [Lower bounds for essential dimensions in characteristic 2 via orthogonal representations](#), *Pacific Journal of Mathematics*, 279 (2015), no 1-2, 37–63.
- Chernousov V., Gille P., Pianzola A., [Whitehead Groups of Loop Group Schemes of Nullity One](#), *Journal of the Ramanujan Mathematical Society*, 29 (2014), no. 1, 1–26.
- Chernousov V., Egorov V., Gille P., Pianzola A., [A cohomological proof of Peterson-Kac's theorem on conjugacy of Cartan subalgebras for affine Kac-Moody Lie algebras](#), *Journal of Algebra*, 399 (2014), 55–78.
- Chernousov V., Merkurjev A., [Essential dimension of Spinor and Clifford groups](#), *Algebra and Number Theory* 8 (2014), 457–472.
- Chernousov V., Gille P., Pianzola A., [Conjugacy theorems for loop reductive group schemes and Lie algebras](#), *Bulletin of Mathematical Sciences*, 4 (2014), 281–324.
- Chernousov V., Eldique A., Knus M.-A., Tignol J.-P., [Algebraic groups of type \$D_4\$, triality and composition algebras](#), *Documenta Mathematica*, 18 (2013), 413–468.
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- Chernousov V., Panin I., [Purity of \$F_4\$ -Torsors with trivial \$g_3\$ Invariant](#), *Journal für die reine und angewandte Mathematik*, 685 (2013), 99–104.

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