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Current Position

2011-

Researcher in geometry at the Mathematics Department of the University of Padova.

Publications

1. *Localization of IC-complexes on Kashiwara's flag scheme and representations of Kac-Moody algebras.*
Authors: Giovanna Carnovale; Francesco Esposito; Peter Fiebig;
Indagationes Mathematicae, 2021, 32(6), pp. 1275-1289.
2. *Cell decompositions and algebraicity of cohomology for quiver Grassmannians.*
Authors: Giovanni Cerulli Irelli; Francesco Esposito; Hans Franzen; Markus Reineke;
Advances in Mathematics, 2021, 379, 107544, 47pp.
3. *Local geometry of Jordan classes in semisimple algebraic groups.*
Authors: Filippo Ambrosio; Giovanna Carnovale; Francesco Esposito;
Journal of the London Mathematical Society, 2021, 103(2), pp. 587-603.
4. *On Jordan classes for Vinberg's θ -groups.*
Authors: Giovanna Carnovale; Francesco Esposito; Andrea Santi;
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5. *Affine hyperplane arrangements and Jordan classes.*
 Authors: Giovanna Carnovale; Francesco Esposito ;
 Journal of Combinatorial Algebra, 2021, 4(4), pp. 397-446.
6. *Parabolic orbits of 2-nilpotent elements for classical groups.*
 Authors: Magdalena Boos; Giovanni Cerulli Irelli; Francesco Esposito;
 Journal of Lie Theory, 2019, 29(4), pp. 969.
7. *Quotients for Sheets of Conjugacy Classes.*
 Authors: Giovanna Carnovale; Francesco Esposito;
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8. *A Katsylo theorem for sheets of spherical conjugacy classes.*
 Authors: Giovanna Carnovale; Francesco Esposito ;
 Representation Theory, vol. 19(2015), 263-280.
9. *A note on Lubin-Tate theory.*
 Authors: Bruno Chiarellotto; Francesco Esposito
 Kodai Mathematical Journal, vol. 37(2014), 196-211.
10. *A homological interpretation of transverse quiver Grassmannians.*
 Authors: Giovanni Cerulli Irelli; Francesco Esposito; Gregoire Dupont;
 Algebras and Representation Theory vol. 16(2013), 437-444.
11. *Closures of orbits under the diagonal action in the wonderful compactification of $PGL(3)$.*
 Author: F. Esposito;
 Communications in Algebra vol. 40(2012), 3127-3140.
12. *On Sheets of Conjugacy Classes in Good Characteristic.*
 Authors: Giovanna Carnovale; Francesco Esposito ;
 International Mathematical Research Notices vol. (2012)4, 810-828.
13. *Geometry of quiver Grassmannians of Kronecker type and applications to cluster algebras.*
 Authors: Giovanni Cerulli Irelli; Francesco Esposito;
 Algebra and Number Theory, vol. 5 (2011), 777-801.

14. *On a theorem of Schmid.*

Authors: Francesco Esposito; Andrea Maffei;

Rend. Lincei Mat. Appl. 19 (2008), 135-140.

Preprints

1. *A parametrization of sheets of conjugacy classes in bad characteristic.*

Authors: Filippo Ambrosio; Giovanna Carnovale; Francesco Esposito

arXiv:2208.08418 .

2. *Specialization map for quiver Grassmannians.*

Authors: Giovanni Cerulli Irelli; Francesco Esposito; Xin Fang; Ghislain Fourier

arXiv:2206.10281 .

3. *Topological tensor representations of $gl(V)$ for a space V of countable dimension.*

Authors: Francesco Esposito; Ivan Penkov

arXiv:2206.00654 .

4. *Motzkin combinatorics in linear degenerations of the flag variety.*

Authors: Giovanni Cerulli Irelli; Francesco Esposito; Mario Marietti

arXiv:2112.02539 .

5. *Universal filtered quantizations of nilpotent Slodowy slices.*

Authors: Filippo Ambrosio; Giovanna Carnovale; Francesco Esposito; Lewis Topley

arXiv:2005.07599.