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Global Analysis of Riccati Quadratic Differential Systems

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International Journal of Bifurcation and Chaos

Disponibil online 18 February, 2024. Descarcări-0. Vizualizări-117

Characterization of the family of quadratic differential systems with an invariant parabola in terms of invariant polynomials

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Mathematics and Information Technologies: Research and Education

Disponibil online 25 April, 2024. Descarcări-0. Vizualizări-64

The bifurcation diagram of the configurations of invariant lines of total multiplicity exactly three in quadratic vector fields

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Buletinul Academiei de Ştiinţe a Republicii Moldova. Matematica

Disponibil online 25 August, 2023. Descarcări-2. Vizualizări-194

The family of cubic differential systems with two real and two complex distinct infinite singularities and invariant straight lines of the type (3, 1, 1, 1)

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Electronic Journal of Qualitative Theory of Differential Equations

Disponibil online 12 September, 2023. Descarcări-3. Vizualizări-212

Geometric analysis of quadratic differential systems with invariant ellipses

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Topological Methods in Nonlinear Analysis

Geometrical classification of a family of cubic systems

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Conference on Applied and Industrial MathematicsCAIM 2022

On Families QSL ≥ 2 of Quadratic Systems with Invariant Lines of Total Multiplicity At Least 2

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Qualitative Theory of Dynamical Systems

On the family QSL3 of quadratic systems with invariant lines of total multiplicity exactly 3

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Abel quadratic differential systems of second kind

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Actual Problems of Mathematics and Informatics

Cubic differential systems with invariant straight lines of total multiplicity seven and four real distinct infinite singularities

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Electronic Journal of Differential Equations

Darboux' theory of integrability for quadratic systems with invariant hyperbolas

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Disponibil online 30 June, 2021. Descarcări-5. Vizualizări-403

Families of vector fields with an algebraic geometric structure

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Disponibil online 29 June, 2021. Descarcări-20. Vizualizări-528

One class of quadratic di®erential systems with two invariant lines

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Disponibil online 29 June, 2021. Descarcări-4. Vizualizări-474

Global Topological Configurations of Singularities for the Whole Family of Quadratic Differential Systems

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Disponibil online 6 March, 2020. Descarcări-0. Vizualizări-933

Configurations of invariant straight lines of the type (2, 2, 1, 1) for a family of cubic systems

Bujac Cristina[1], Schlomiuk Dana[2], Vulpe Nicolae[1]

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Disponibil online 1 November, 2019. Descarcări-1. Vizualizări-710

The topological classification of a family of quadratic differential systems in terms of affine invariant polynomials

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Working with professor Nicolae Vulpe

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Configurations of invariant lines of total multiplicity 7 of cubic systems with four real distinct infinite singularities

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Conference on Applied and Industrial Mathematics CAIM 2018

Topological configurations of singularities for quadratic differential systems

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Conference on Applied and Industrial Mathematics CAIM 2018

Classification of quadratic systems possessing an invariant conic and a Darboux invariant

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Conference of Mathematical Society of the Republic of Moldova

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Geometric and algebraic classification of quadratic differential systems with invariant hyperbolas

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From topological to geometric equivalence in the classification of singularities at infinity for quadratic vector fields

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Global configurations of singularities for quadratic differential systems with exactly three finite singularities of total multiplicity four

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Bifurcation diagrams and quotient topological spaces under the action of the affine group on a subclass of quadratic vector fields

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Geometric configurations of singularities for quadratic differential systems with total finite multiplicity mf = 2 📋📋

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Global Configurations of Singularities for Quadratic Differential Systems with Total Finite Multiplicity Three and at Most Two Real Singularities 📋📋

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Qualitative Theory of Dynamical Systems

Global configurations of singularities for quadratic differential systems with total finite multiplicity three and at most two real singularities

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Conference of Mathematical Society of the Republic of Moldova

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Geometric configurations of singularities for quadratic differential systems with total finite multiplicity lower than 2

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Buletinul Academiei de Ştiinţe a Republicii Moldova. Matematica

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Bifurcation diagrams and moduli spaces of planar quadratic vector fields with invariant lines of total multiplicity four and having exactly three real singularities at infinity

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Qualitative Theory of Dynamical Systems

Integrals and phase portraits of planar quadratic differential systems with invariant lines of at least five total multiplicity

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Rocky Mountain Journal of Mathematics

Integrals and phase portraits of planar quadratic differential systems with invariant lines of total multiplicity four

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Planar quadratic vector fields with invariant lines of total multiplicity at least five

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