

## [Schlomiuk Dana](#)

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### **Global Analysis of Riccati Quadratic Differential Systems**

*Artes Joan<sup>1</sup>, Llibre Jaume<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>3</sup>*

<sup>1</sup> Universitat Autònoma de Barcelona,

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### **International Journal of Bifurcation and Chaos**

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

*Schlomiuk Dana<sup>1</sup>, Vulpe Nicolae<sup>2</sup>*

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### **Mathematics and Information Technologies: Research and Education**

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

*Bujac Cristina<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>1</sup>*

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### **Buletinul Academiei de Științe a Republicii Moldova. Matematica**

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### **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)**

*Bujac Cristina<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>1</sup>*

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### **Electronic Journal of Qualitative Theory of Differential Equations**

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

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### **Geometric analysis of quadratic differential systems with invariant ellipses**

*Mota Marcos Coutinho<sup>1</sup>, Rezende Alex Carlucci<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>3</sup>*

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## **Topological Methods in Nonlinear Analysis**

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## **Geometrical classification of a family of cubic systems**

*Bujac Cristina<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>1</sup>*

<sup>1</sup> Vladimir Andrunachievici Institute of Mathematics and Computer Science,

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## **Conference on Applied and Industrial Mathematics CAIM 2022**

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## **On Families QSL $\geq 2$ of Quadratic Systems with Invariant Lines of Total Multiplicity At Least 2**

*Bujac Cristina<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>1</sup>*

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## **Qualitative Theory of Dynamical Systems**

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

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## **Conference on Applied and Industrial Mathematics CAIM 2022**

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## **Abel quadratic differential systems of second kind**

*Artes Joan<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>3</sup>*

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## **Actual Problems of Mathematics and Informatics**

Nr. 8/1(260) / 2013 / ISSN 1810-3081

Disponibil online 25 June, 2021. Descarcări-2. Vizualizări-386

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

*Bujac Cristina<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>1</sup>*

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## **Electronic Journal of Differential Equations**

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## **Darboux' theory of integrability for quadratic systems with invariant hyperbolas**

*Oliveira Regilene D. S., Schlomiuk Dana, Travaglini Ana Maria*

Universidade Federal de Sao Paulo

### **Mathematics and Information Technologies: Research and Education**

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## **Families of vector fields with an algebraic geometric structure**

*Schlomiuk Dana*

Université de Montréal

### **Mathematics and Information Technologies: Research and Education**

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## **One class of quadratic differential systems with two invariant lines**

*Bujac Cristina<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>1</sup>*

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### **Mathematics and Information Technologies: Research and Education**

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

*Artes Joan<sup>1</sup>, Llibre Jaume<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>3</sup>*

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### **Qualitative Theory of Dynamical Systems**

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

*Bujac Cristina<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>1</sup>*

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### **Proceedings IMCS-55 The Fifth Conference of Mathematical Society of the Republic of Moldova**

Nr. 1(47) / 2005 / ISSN 1024-7696 / ISSNe 2587-4322

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

*Schlomiuk Dana<sup>1</sup>, Vulpe Nicolae<sup>2</sup>*

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**Buletinul Academiei de Științe a Republicii Moldova. Matematica**

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**Working with professor Nicolae Vulpe**

*Schlomiuk Dana*


Université de Montréal

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

*Bujac Cristina<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>1</sup>*

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**Conference on Applied and Industrial Mathematics CAIM 2018**

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**Topological configurations of singularities for quadratic differential systems** 

*Artes Joan<sup>1</sup>, Llibre Jaume<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>3</sup>*

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

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**Geometric and algebraic classification of quadratic differential systems with invariant hyperbolas** 

*Oliveira Regilene D. S.<sup>1</sup>, Rezende Alex Carlucci<sup>2</sup>, Schlomiuk Dana<sup>3</sup>, Vulpe Nicolae<sup>4</sup>*

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## Electronic Journal of Differential Equations

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

Artes Joan<sup>1</sup>, Llibre Jaume<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>3</sup>

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## Rocky Mountain Journal of Mathematics

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

Artes Joan<sup>1</sup>, Llibre Jaume<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>3</sup>

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## Electronic Journal of Qualitative Theory of Differential Equations

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

Diaconescu Oxana<sup>1</sup>, Schlomiuk Dana<sup>1</sup>, Vulpe Nicolae<sup>2</sup>

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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 $mf = 2$

Artes Joan<sup>1</sup>, Llibre Jaume<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>3</sup>

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## Electronic Journal of Differential Equations

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

Artes Joan<sup>1</sup>, Llibre Jaume<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>3</sup>

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## **Qualitative Theory of Dynamical Systems**

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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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## **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**

*Artes Joan<sup>1</sup>, Llibre Jaume<sup>1</sup>, Schlomiuk Dana<sup>2</sup>, Vulpe Nicolae<sup>3</sup>*

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## **Buletinul Academiei de Științe 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**

*Schlomiuk Dana<sup>1</sup>, Vulpe Nicolae<sup>2</sup>*

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## **Qualitative Theory of Dynamical Systems**

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

*Schlomiuk Dana<sup>1</sup>, Vulpe Nicolae<sup>2</sup>*

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## **Rocky Mountain Journal of Mathematics**

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## **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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**Qualitative Theory of Dynamical Systems**

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