

Nicolae Vulpe: *Lista lucrărilor publicate în 2021 – 2022*

Monografia:

ARTES J. C.; LLIBRE J.; SCHLOMIUK, D.; VULPE N. *Geometric configurations of singularities of planar polynomial differential systems [A global classification in the quadratic case]*. Birkhäuser/Springer, Cham, [2021], ©2021. xii+699 pp. ISBN: 978-3-030-50569-1; 978-3-030-50570-7

Articole din reviste cu factor de impact:

2021

1. BUJAC, C. ; SCHLOMIUK, D.; VULPE N. Cubic differential systems with invariant straight lines of total multiplicity seven and four real distinct infinite singularities.

Electron. J. Differential Equations. Vol. **2021** (2021), No. 83, pp. 1-110. (IF: 1,3)

2. OLIVEIRA R. D. S.; REZENDE A. C.; SCHLOMIUK, D.; VULPE N. Characterization and bifurcation diagram of the family of quadratic differential systems with an invariant ellipse in terms of invariant polynomials. *Revista Matemática Complutense* (2021) 53 pp.

<https://doi.org/10.1007/s13163-021-00398-8> (IF: 1,36)

3. ARTES J. C.; LLIBRE J.; SCHLOMIUK, D.; VULPE N. Invariant conditions for phase portraits of quadratic systems with complex conjugate invariant lines meeting at a finite point. *Rendiconti del Circolo Matematico di Palermo* (2) 70 (2021), no. 2, 923–945.

<https://doi.org/10.1007/s12215-020-00541-2> (IF: 0,67)

2022

4. BUJAC, C. ; SCHLOMIUK, D.; VULPE N. On Families $QSL_{\geq 2}$ of Quadratic Systems with Invariant Lines of Total Multiplicity At Least 2. *Qualitative Theory of Dynamical Systems* (2022, 21:133 pp. 1-68. <https://doi.org/10.1007/s12346-022-00659-x> (IF: 1,42)

5. MOTA M. C.; REZENDE A. C.; SCHLOMIUK, D.; VULPE N. Geometric analysis of quadratic differential systems with invariant ellipses. *Topological Methods in Nonlinear Analysis*. Volume **59**, No. 2A, 2022, 623—685. <https://doi.org/10.12775/TMNA.2021.063> (IF:0,87)

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