Jaume Llibre

List of Publications by Citations

961 papers	**9,692** citations	**43** h-index	**61** g-index
1,030 ext. papers	**10,818** ext. citations	**1.7** avg, IF	**6.84** L-index

#	Paper	IF	Citations
961	Averaging methods for finding periodic orbits via Brouwer degree. *Bulletin Des Sciences Mathematiques*, **2004**, 128, 7-22	0.7	188
960	Multiplicity of invariant algebraic curves in polynomial vector fields. *Pacific Journal of Mathematics*, **2007**, 229, 63-117	0.5	125
959	On the nonexistence, existence and uniqueness of limit cycles. *Nonlinearity*, **1996**, 9, 501-516	1.7	117
958	Combinatorial Dynamics and Entropy in Dimension One. *Advanced Series in Nonlinear Dynamics*, **2000**,		112
957	On the Integrability of Two-Dimensional Flows. *Journal of Differential Equations*, **1999**, 157, 163-182	2.1	101
956	Tranversality of the invariant manifolds associated to the Lyapunov family of periodic orbits near L2 in the restricted three-body problem. *Journal of Differential Equations*, **1985**, 58, 104-156	2.1	97
955	Periodic solutions of nonlinear periodic differential systems with a small parameter. *Communications on Pure and Applied Analysis*, **2007**, 6, 103-111	1.9	88
954	On the optimal station keeping control of halo orbits. *Acta Astronautica*, **1987**, 15, 391-397	2.9	84
953	Bounded polynomial vector fields. *Transactions of the American Mathematical Society*, **1990**, 318, 557-579	2.1	81
952	Higher order averaging theory for finding periodic solutions via Brouwer degree. *Nonlinearity*, **2014**, 27, 563-583	1.7	80
951	Combinatorial Dynamics and Entropy in Dimension One. *Advanced Series in Nonlinear Dynamics*, **1993**,		80
950	Regularization of Discontinuous Vector Fields on (\{mathbb{R}^3\}) via Singular Perturbation. *Journal of Dynamics and Differential Equations*, **2007**, 19, 309-331	1.3	77
949	Local analytic integrability for nilpotent centers. *Ergodic Theory and Dynamical Systems*, **2003**, 23,	0.9	75
948	Horseshoes, entropy and periods for graph maps. *Topology*, **1993**, 32, 649-664		74
947	Darboux theory of integrability in . *Journal of Differential Equations*, **2009**, 246, 541-551	2.1	72
946	On the existence and uniqueness of limit cycles in planar continuous piecewise linear systems without symmetry. *Nonlinear Analysis: Real World Applications*, **2013**, 14, 2002-2012	2.1	71
945	The problem of distinguishing between a center and a focus for nilpotent and degenerate analytic systems. *Journal of Differential Equations*, **2006**, 227, 406-426	2.1	71

944	Averaging theory for discontinuous piecewise differential systems. *Journal of Differential Equations*, **2015**, 258, 4007-4032	2.1	70
943	Darboux integrability and the inverse integrating factor. *Journal of Differential Equations*, **2003**, 194, 116-139	2.1	70
942	Invariant algebraic surfaces of the Lorenz system. *Journal of Mathematical Physics*, **2002**, 43, 1622-1645	1.2	65
941	Algebraic aspects of integrability for polynomial systems. *Qualitative Theory of Dynamical Systems*, **1999**, 1, 71-95	0.8	64
940	Limit cycles of the generalized polynomial Liñard differential equations. *Mathematical Proceedings of the Cambridge Philosophical Society*, **2010**, 148, 363-383	0.7	62
939	Rotation vectors and entropy for homeomorphisms of the torus isotopic to the identity. *Ergodic Theory and Dynamical Systems*, **1991**, 11, 115-128	0.9	62
938	On the families of periodic orbits which bifurcate from the circular Sitnikov motions. *Celestial Mechanics and Dynamical Astronomy*, **1994**, 60, 99-129	1.4	59
937	Maximum number of limit cycles for certain piecewise linear dynamical systems. *Nonlinear Dynamics*, **2015**, 82, 1159-1175	5	58
936	Limit cycles for discontinuous quadratic differential systems with two zones. *Journal of Mathematical Analysis and Applications*, **2014**, 413, 763-775	1.1	58
935	Oscillatory solutions in the planar restricted three-body problem. *Mathematische Annalen*, **1980**, 248, 153-184	1	57
934	On the birth of limit cycles for non-smooth dynamical systems. *Bulletin Des Sciences Mathematiques*, **2015**, 139, 229-244	0.7	56
933	Uniqueness of limit cycles for Liñard differential equations of degree four. *Journal of Differential Equations*, **2012**, 252, 3142-3162	2.1	56
932	Algebraic and topological classification of the homogeneous cubic vector fields in the plane. *Journal of Mathematical Analysis and Applications*, **1990**, 147, 420-448	1.1	56
931	Global dynamics of the Rikitake system. *Physica D: Nonlinear Phenomena*, **2009**, 238, 241-252	3.3	54
930	Averaging analysis of a perturbated quadratic center. *Nonlinear Analysis: Theory, Methods & Applications*, **2001**, 46, 45-51	1.3	54
929	Integrability of Polynomial Differential Systems. *Handbook of Differential Equations: Ordinary Differential Equations*, **2004**, 1, 437-532		53
928	Dynamics and Mission Design Near Libration Points. *World Scientific Monograph Series in Mathematics*, **2001**,		52
927	A unified proof on the weak Hilbert 16th problem for n=2. *Journal of Differential Equations*, **2006**, 221, 309-342	2.1	51

926	Configurations of limit cycles and planar polynomial vector fields. *Journal of Differential Equations*, **2004**, 198, 374-380	2.1	50
925	Piecewise linear differential systems with two real saddles. *Mathematics and Computers in Simulation*, **2014**, 95, 13-22	3.3	49
924	Darboux theory of integrability for polynomial vector fields in . *Bulletin Des Sciences Mathematiques* , **2009**, 133, 765-778	0.7	45
923	On the global dynamics of the Rabinovich system. *Journal of Physics A: Mathematical and Theoretical*, **2008**, 41, 275210	2	45
922	Polynomial first integrals for quasi-homogeneous polynomial differential systems. *Nonlinearity*, **2002**, 15, 1269-1280	1.7	45
921	Entropy and periodic points for transitive maps. *Transactions of the American Mathematical Society*, **1999**, 351, 1551-1573	1	44
920	On the existence and uniqueness of limit cycles in Liḣard differential equations allowing discontinuities. *Nonlinearity*, **2008**, 21, 2121-2142	1.7	43
919	Limit cycles of cubic polynomial vector fields via the averaging theory. *Nonlinear Analysis: Theory, Methods & Applications*, **2007**, 66, 1707-1721	1.3	43
918	THE GEOMETRY OF QUADRATIC DIFFERENTIAL SYSTEMS WITH A WEAK FOCUS OF SECOND ORDER. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2006**, 16, 3127-3194	2	42
917	Periodic Orbits of Maps of Y. *Transactions of the American Mathematical Society*, **1989**, 313, 475	1	42
916	HORSESHOES NEAR HOMOCLINIC ORBITS FOR PIECEWISE LINEAR DIFFERENTIAL SYSTEMS IN R3. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2007**, 17, 1171-1184	2	41
915	Darboux integrability for 3D Lotka-Volterra systems. *Journal of Physics A*, **2000**, 33, 2395-2406		41
914	On the number of limit cycles in discontinuous piecewise linear differential systems with two pieces separated by a straight line. *Journal of Mathematical Analysis and Applications*, **2015**, 424, 475-486	1.1	40
913	Quadratic Hamiltonian Vector Fields. *Journal of Differential Equations*, **1994**, 107, 80-95	2.1	40
912	On the shape of limit cycles that bifurcate from Hamiltonian centers. *Nonlinear Analysis: Theory, Methods & Applications*, **2000**, 41, 523-537	1.3	38
911	Limit Cycles Bifurcating from the Periodic Orbits of a Discontinuous Piecewise Linear Differentiable Center with Two Zones. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2015**, 25, 1550144	2	37
910	On the Darboux Integrability of Polynomial Differential Systems. *Qualitative Theory of Dynamical Systems*, **2012**, 11, 129-144	0.8	37
909	Study of Singularities in Nonsmooth Dynamical Systems via Singular Perturbation. *SIAM Journal on Applied Dynamical Systems*, **2009**, 8, 508-526	2.8	36

908	New central configurations for the planar 5-body problem. *Celestial Mechanics and Dynamical Astronomy*, **2008**, 100, 141-149	1.4	36
907	Local first integrals of differential systems and diffeomorphisms. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2003**, 54, 235-255	1.6	36
906	Phase portraits of planar control systems. *Nonlinear Analysis: Theory, Methods & Applications*, **1996**, 27, 1177-1197	1.3	36
905	GLOBAL DYNAMICS OF THE LORENZ SYSTEM WITH INVARIANT ALGEBRAIC SURFACES. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2010**, 20, 3137-3155	2	35
904	Limit cycles of a perturbed cubic polynomial differential center. *Chaos, Solitons and Fractals*, **2007**, 32, 1059-1069	9.3	35
903	The Geometry of Quadratic Differential Systems with a Weak Focus of Third Order. *Canadian Journal of Mathematics*, **2004**, 56, 310-343	0.8	35
902	Invariant algebraic surfaces of the Rikitake system. *Journal of Physics A*, **2000**, 33, 7613-7635		35
901	Averaging theory at any order for computing periodic orbits. *Physica D: Nonlinear Phenomena*, **2013**, 250, 58-65	3.3	34
900	Liouvillian first integrals for the planar Lotka-Volterra system. *Rendiconti Del Circolo Matematico Di Palermo*, **2003**, 52, 389-418	0.5	34
899	The focus-centre problem for a type of degenerate system. *Nonlinearity*, **2000**, 13, 699-729	1.7	34
898	On the number of invariant straight lines for polynomial differential systems. *Pacific Journal of Mathematics*, **1998**, 184, 207-230	0.5	30
897	The pseudo-Hopf bifurcation for planar discontinuous piecewise linear differential systems. *Nonlinear Dynamics*, **2017**, 90, 1829-1840	5	29
896	Limit Cycles Bifurcating from the Period Annulus of Quasi-Homogeneous Centers. *Journal of Dynamics and Differential Equations*, **2009**, 21, 133-152	1.3	29
895	Rational first integrals in the Darboux theory of integrability in . *Bulletin Des Sciences Mathematiques*, **2010**, 134, 189-195	0.7	29
894	Periodic orbits of the Sitnikov problem via a Poincar'map. *Celestial Mechanics and Dynamical Astronomy*, **2000**, 77, 273-303	1.4	29
893	Minimal sets of periods for torus maps via Nielsen numbers. *Pacific Journal of Mathematics*, **1995**, 169, 1-32	0.5	29
892	Sliding Vector Fields via Slow--Fast Systems. *Bulletin of the Belgian Mathematical Society - Simon Stevin*, **2008**, 15,	2.1	29
891	Entropy of transitive tree maps. *Topology*, **1997**, 36, 519-532		28

890	On the Families of Periodic Orbits of the Sitnikov Problem. *SIAM Journal on Applied Dynamical Systems*, **2008**, 7, 561-576	2.8	28
889	Uniqueness of Algebraic Limit Cycles for Quadratic Systems. *Journal of Mathematical Analysis and Applications*, **2001**, 261, 85-99	1.1	28
888	Darboux integrability and invariant algebraic curves for planar polynomial systems. *Journal of Physics A*, **2002**, 35, 2457-2476		28
887	A class of reversible cubic systems with an isochronous center. *Computers and Mathematics With Applications*, **1999**, 38, 39-53	2.7	28
886	Weak Focus, Limit Cycles, and Bifurcations for Bounded Quadratic Systems. *Journal of Differential Equations*, **1995**, 115, 193-223	2.1	28
885	Minimal sets of periods for torus maps. *Discrete and Continuous Dynamical Systems*, **1998**, 4, 301-320	2	28
884	Polynomial, rational and analytic first integrals for a family of 3-dimensional Lotka-Volterra systems. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2011**, 62, 761-777	1.6	27
883	Invariant Algebraic Curves and Rational First Integrals for Planar Polynomial Vector Fields. *Journal of Differential Equations*, **2001**, 169, 1-16	2.1	27
882	Some theorems on the existence, uniqueness, and nonexistence of limit cycles for quadratic systems. *Journal of Differential Equations*, **1987**, 67, 372-399	2.1	27
881	First integrals of local analytic differential systems. *Bulletin Des Sciences Mathematiques*, **2012**, 136, 342-359	3.9	26
880	Periodic points of holomorphic maps via Lefschetz numbers. *Transactions of the American Mathematical Society*, **2000**, 352, 4711-4730	1	26
879	Linear estimate for the number of zeros of Abelian integrals for quadratic isochronous centres. *Nonlinearity*, **2000**, 13, 1775-1800	1.7	26
878	Some homoclinic phenomena in the three-body problem. *Journal of Differential Equations*, **1980**, 37, 444-465		26
877	Uniqueness and Non-uniqueness of Limit Cycles for Piecewise Linear Differential Systems with Three Zones and No Symmetry. *Journal of Nonlinear Science*, **2015**, 25, 861-887	2.8	25
876	Central Configurations, Periodic Orbits, and Hamiltonian Systems. *Advanced Courses in Mathematics, CRM Barcelona*, **2015**,	1.5	25
875	Phase portraits of quadratic polynomial vector fields having a rational first integral of degree 2. *Nonlinear Analysis: Theory, Methods & Applications*, **2007**, 67, 327-348	1.3	25
874	Central Configurations of the Planar Coorbitalsatellite Problem. *Celestial Mechanics and Dynamical Astronomy*, **2004**, 89, 319-342	1.4	25
873	The shape of limit cycles that bifurcate from non-Hamiltonian centers. *Nonlinear Analysis: Theory, Methods & Applications*, **2001**, 43, 837-859	1.3	25

872	Bifurcation of a periodic orbit from infinity in planar piecewise linear vector fields. *Nonlinear Analysis: Theory, Methods & Applications*, **1999**, 36, 623-653	1.3	25
871	Central configurations of the planar 1+N body problem. *Celestial Mechanics and Dynamical Astronomy*, **1994**, 60, 273-288	1.4	25
870	On the elliptic restricted three-body problem. *Celestial Mechanics and Dynamical Astronomy*, **1990**, 48, 319-345	1.4	25
869	The cyclicity of period annuli of some classes of reversible quadratic systems. *Discrete and Continuous Dynamical Systems*, **2006**, 16, 157-177	2	25
868	Periods and entropy for Lorenz-like maps. *Annales De L Institut Fourier*, **1989**, 39, 929-952	0.5	25
867	Piecewise linear differential systems with only centers can create limit cycles?. *Nonlinear Dynamics*, **2018**, 91, 249-255	5	24
866	Global Dynamics of a Lotka--Volterra Model with Two Predators Competing for One Prey. *SIAM Journal on Applied Mathematics*, **2014**, 74, 434-453	1.8	24
865	LOWER BOUNDS FOR THE MAXIMUM NUMBER OF LIMIT CYCLES OF DISCONTINUOUS PIECEWISE LINEAR DIFFERENTIAL SYSTEMS WITH A STRAIGHT LINE OF SEPARATION. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2013**, 23, 1350066	2	24
864	Symmetric planar central configurations of five bodies: Euler plus two. *Celestial Mechanics and Dynamical Astronomy*, **2010**, 106, 89-107	1.4	24
863	Central configurations of nested regular polyhedra for the spatial 2n-body problem. *Journal of Geometry and Physics*, **2008**, 58, 1241-1252	1.2	24
862	Integrability of the Bianchi IX system. *Journal of Mathematical Physics*, **2005**, 46, 072901	1.2	24
861	Homoclinic and heteroclinic solutions in the restricted three-body problem. *Celestial Mechanics*, **1988**, 44, 239-259		24
860	Chordal quadratic systems. *Rocky Mountain Journal of Mathematics*, **1986**, 16,	1.4	24
859	On the differentiability of first integrals of two dimensional flows. *Proceedings of the American Mathematical Society*, **2002**, 130, 2079-2088	0.8	24
858	Hamiltonian nilpotent centers of linear plus cubic homogeneous polynomial vector fields. *Advances in Mathematics*, **2014**, 259, 655-687	1.3	23
857	Universal centres and composition conditions. *Proceedings of the London Mathematical Society*, **2013**, 106, 481-507	1.2	23
856	GLOBAL DYNAMICS IN THE POINCAR BALL OF THE CHEN SYSTEM HAVING INVARIANT ALGEBRAIC SURFACES. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2012**, 22, 1250154	2	23
855	On the 16th Hilbert problem for algebraic limit cycles. *Journal of Differential Equations*, **2010**, 248, 1401-1409	1.4	23

854	EJECTION–COLLISION ORBITS AND INVARIANT PUNCTURED TORI IN A RESTRICTED FOUR-BODY PROBLEM. *Celestial Mechanics and Dynamical Astronomy*, **1998**, 71, 1-14	1.4	23
853	Global first harmonic bifurcation diagram for odd piecewise linear control systems. *Dynamical Systems*, **1996**, 11, 49-88		23
852	Global asymptotic stability of differential equations in the plane. *Journal of Differential Equations*, **1991**, 91, 327-335	2.1	23
851	Hopf bifurcation in higher dimensional differential systems via the averaging method. *Pacific Journal of Mathematics*, **2009**, 240, 321-341	0.5	23
850	Piecewise linear differential systems without equilibria produce limit cycles?. *Nonlinear Dynamics*, **2017**, 88, 157-164	5	22
849	A new result on averaging theory for a class of discontinuous planar differential systems with applications. *Revista Matematica Iberoamericana*, **2017**, 33, 1247-1265	1.2	22
848	Averaging methods of arbitrary order, periodic solutions and integrability. *Journal of Differential Equations*, **2016**, 260, 4130-4156	2.1	22
847	Classification of the centers, their cyclicity and isochronicity for a class of polynomial differential systems generalizing the linear systems with cubic homogeneous nonlinearities. *Journal of Differential Equations*, **2009**, 246, 2192-2204	2.1	22
846	Global analytic first integrals for the real planar Lotka-Volterra system. *Journal of Mathematical Physics*, **2007**, 48, 033507	1.2	22
845	Structural and optical properties of yttria-stabilized-zirconia films grown by MOCVD. *Thin Solid Films*, **2000**, 370, 173-178	2.2	22
844	Planar quasi-homogeneous polynomial differential systems and their integrability. *Journal of Differential Equations*, **2013**, 255, 3185-3204	2.1	21
843	On the 16th Hilbert problem for limit cycles on nonsingular algebraic curves. *Journal of Differential Equations*, **2011**, 250, 983-999	2.1	21
842	SINGULAR POINTS OF QUADRATIC SYSTEMS: A COMPLETE CLASSIFICATION IN THE COEFFICIENT SPACE R12. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2008**, 18, 313-362	2	21
841	Equilibrium Points and Central Configurations for the Lennard-Jones 2- and 3-Body Problems. *Celestial Mechanics and Dynamical Astronomy*, **2004**, 89, 235-266	1.4	21
840	Linear Estimation of the Number of Zeros of Abelian Integrals for Some Cubic Isochronous Centers. *Journal of Differential Equations*, **2002**, 180, 307-333	2.1	21
839	Extension of Floquet's theory to nonlinear periodic differential systems and embedding diffeomorphisms in differential flows. *American Journal of Mathematics*, **2002**, 124, 107-127	1.2	21
838	Structural Stability of Planar Homogeneous Polynomial Vector Fields: Applications to Critical Points and to Infinity. *Journal of Differential Equations*, **1996**, 125, 490-520	2.1	21
837	Limit cycles of a class of polynomial systems. *Proceedings of the Royal Society of Edinburgh Section A: Mathematics*, **1988**, 109, 187-199	1	21

836	Chebyshev property of complete elliptic integrals and its application to abelian integrals. *Pacific Journal of Mathematics*, **2002**, 202, 341-361	0.5	21
835	3-dimensional Hopf bifurcation via averaging theory. *Discrete and Continuous Dynamical Systems*, **2007**, 17, 529-540	2	21
834	Limit cycles for m-piecewise discontinuous polynomial Liénard differential equations. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2015**, 66, 51-66	1.6	20
833	Limit cycles for discontinuous planar piecewise linear differential systems separated by one straight line and having a center. *Journal of Mathematical Analysis and Applications*, **2018**, 467, 537-549	1.1	20
832	New stacked central configurations for the planar 5-body problem. *Celestial Mechanics and Dynamical Astronomy*, **2011**, 110, 43-52	1.4	20
831	The cyclicity of period annulus of a quadratic reversible LotkaVolterra system. *Nonlinearity*, **2009**, 22, 2971-2979	1.7	20
830	Asymptotic Stability of Periodic Solutions for Nonsmooth Differential Equations with Application to the Nonsmooth van der Pol Oscillator. *SIAM Journal on Mathematical Analysis*, **2009**, 40, 2478-2495	1.7	20
829	On the Injectivity of C 1 Maps of the Real Plane. *Canadian Journal of Mathematics*, **2002**, 54, 1187-1201	0.8	20
828	On a Result of Darboux. *LMS Journal of Computation and Mathematics*, **2001**, 4, 197-210		20
827	Symmetric central configurations of the spatial n-body problem. *Journal of Geometry and Physics*, **1989**, 6, 367-394	1.2	20
826	Lefschetz numbers for periodic points. *Contemporary Mathematics*, **1993**, 215-227	1.6	20
825	Averaging theory at any order for computing limit cycles of discontinuous piecewise differential systems with many zones. *Physica D: Nonlinear Phenomena*, **2017**, 353-354, 1-10	3.3	19
824	On the integrability and the zero-Hopf bifurcation of a ChenWang differential system. *Nonlinear Dynamics*, **2015**, 80, 353-361	5	19
823	Limit cycles bifurcating from a perturbed quartic center. *Chaos, Solitons and Fractals*, **2011**, 44, 317-334	9.3	19
822	Inverse problems for invariant algebraic curves: explicit computations. *Proceedings of the Royal Society of Edinburgh Section A: Mathematics*, **2009**, 139, 287-302	1	19
821	On the Hopf-zero bifurcation of the Michelson system. *Nonlinear Analysis: Real World Applications*, **2011**, 12, 1650-1653	2.1	19
820	Algebraic limit cycles of degree 4 for quadratic systems. *Journal of Differential Equations*, **2004**, 200, 206-244	2.1	19
819	Invariant algebraic curves of large degree for quadratic system. *Journal of Mathematical Analysis and Applications*, **2005**, 303, 450-461	1.1	19

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817	Lower bounds of the topological entropy for continuous maps of the circle of degree one. *Nonlinearity*, **1988**, 1, 463-479	1.7	19
816	Simultaneous Periodic Orbits Bifurcating from Two Zero-Hopf Equilibria in a Tritrophic Food Chain Model. *Journal of Applied Mathematics and Physics*, **2013**, 01, 31-38	0.3	19
815	Introduction to the Qualitative Theory of Differential Systems. *Birkhäuser Advanced Texts Basler Lehrbücher*, **2014**,	1.6	18
814	A second order analysis of the periodic solutions for nonlinear periodic differential systems with a small parameter. *Physica D: Nonlinear Phenomena*, **2012**, 241, 528-533	3.3	18
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810	Limit cycles for continuous and discontinuous perturbations of uniform isochronous cubic centers. *Journal of Computational and Applied Mathematics*, **2015**, 277, 171-191	2.4	17
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804	PIECEWISE LINEAR FEEDBACK SYSTEMS WITH ARBITRARY NUMBER OF LIMIT CYCLES. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2003**, 13, 895-904	2	17
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802	Zero-Hopf bifurcation in a Chua system. *Nonlinear Analysis: Real World Applications*, **2017**, 37, 31-40	2.1	16
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800	On the Existence of Central Configurations of p Nested n-gons. *Qualitative Theory of Dynamical Systems*, **2009**, 8, 255-265	0.8	16
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796	Polynomial first integrals of quadratic vector fields. *Journal of Differential Equations*, **2006**, 230, 393-421	2.1	16
795	EXISTENCE OF POINCARÉ MAPS IN PIECEWISE LINEAR DIFFERENTIAL SYSTEMS IN RN. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2004**, 14, 2843-2851	2	16
794	Darboux integrability of real polynomial vector fields on regular algebraic hypersurfaces. *Rendiconti Del Circolo Matematico Di Palermo*, **2002**, 51, 109-126	0.5	16
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791	Heteroclinic, Homoclinic and Closed Orbits in the Chen System. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650072	2	16
790	Hopf and zero-Hopf bifurcations in the Hindmarsh Rose system. *Nonlinear Dynamics*, **2016**, 83, 1549-1556	5	15
789	Phase portraits of piecewise linear continuous differential systems with two zones separated by a straight line. *Journal of Differential Equations*, **2019**, 266, 8094-8109	2.1	15
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