

TRABAJOS DE INVESTIGACION
DR. XAVIER GOMEZ MONT AVALOS

PRODUCCION CIENTIFICA:

I. ARTICULOS DE INVESTIGACION (en revistas con árbitro):

- [1] ‘Transversal Holomorphic Structures’.
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- [2] ‘Deformations of Hyperelliptic curves’.
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- [3] ‘On Families of Rational Vector Fields’.
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- [4] ‘Transverse Deformations of Holomorphic Foliations’.
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- [5] ‘Foliations by Curves of Complex Analytic Spaces’.
Proceedings of Lefschetz Centennial Conference, Contemporary Mathematics, American Mathematical Society, 58, part. III, (1987), 123–141.
- [6] ‘Remarks on the Versal Families of Deformations of Holomorphic and Transversely Holomorphic Foliations’.
Coautor: D. Sundararaman.
Deformations of Mathematical Structures, ed. J. Lawrynowicz, Kluwer Academic Publ., 205–213 (1989).
- [7] ‘Universal Families of Foliations by Curves.’
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- [8] ‘The Transverse Dynamics of a Holomorphic Flow’.
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- [9] ‘Persistent Cycles for Holomorphic Foliations having a Meromorphic First Integral’.
Coautor: J. Muciño.
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- [10] ‘Holomorphic Foliations in Ruled Surfaces’.
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- [11] ‘Stability of Meromorphic Vector Fields in Projective Spaces’.
Coautor: G. Kempf.
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- [12] ‘Sistemas Dinámicos Holomorfos en Superficies’.
Coautor: L. Ortiz.
Aportaciones Matemáticas, Sociedad Matemática Mexicana, 1989, 207p.
- [13] ‘Integrals for Holomorphic Foliations with Singularities Having all Leaves Compact’.
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- [14] ‘Unfoldings of Foliations’.
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- [15] ‘On Closed Leaves of Holomorphic Foliations by Curves’.
Algebraic Geometry and Complex Analysis, Proc. Cong. Pátzcuaro 1987, Springer Lecture Notes 1414 (1990), 61–98.
- [16] ‘On the Spaces of Polynomial Vector Fields Modulo Projectivities’,
en Proceedings. Cong. Dynam. Syst., Trieste, 1988, Pitman, 112–127, (1990).
- [17] ‘Structural Stability of Singular Holomorphic Foliations Having a Meromorphic First Integral’.
Coautor: A. Lins-Neto.
Topology, (1991), 30, 315 – 334 .
- [18] ‘The Index of a Holomorphic Flow with an Isolated Singularity’.
Coautor: J. Seade y A. Verjovsky.
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- [19] ‘Germs of Holomorphic Vector Fields in C^3 without a Separatrix’.
Coautor: I. Luengo.
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- [20] ‘On Foliations in CP^2 tangent to an Algebraic Curve”,
Proceedings. Cong. Alg. Geom., Cimat, 1989, Aportaciones Matematicas, Investigaciòn, 5, 87 – 99, (1992).
- [21] ‘The Index of Holomorphic Vector Fields on Singular Varieties I’,
Coautor: Ch. Bonatti.
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- [22] ‘On the topology of a holomorphic vector field around an isolated singularity’,
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- [23] ‘Uniformization of the Leaves of a Rational Vector Field’
Coautor: A. Candel.
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- [24] ‘Order and Chaos in Dynamical Systems’
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- [25] ‘On Fixed Points of Conformal Pseudogroups’
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- [26] ‘Integration of Algebraic Functions and the Riemann-Kempf Singularity Theorem’
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- [27] ‘The Bott Polynomial of a Holomorphic Foliation’
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- [29] ‘An Algebraic Formula for the Index of a Vector Field on a Variety with an Isolated Singularity’
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- [30] ‘The Index of a Vector Field Tangent to an Odd dimensional Hypersurface and the Signature of the Relative Hessian’
Coautor: P. Mardesic.
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- [31] ‘Computations of Topological Numbers via Linear Algebra: Hypersurfaces, Vector Fields and Vector Fields on Hypersurfaces’.
Coautor: L. Giraldo y P. Mardesic.
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- [32] ‘An Inequality Between Entropies of Pseudogroups of Holomorphic Germs’
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- [33] ‘On the Complex Formed by Contracting Differential Forms with a Vector Field on a Hypersurface Singularity’.
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- [34] ‘Fatou and Julia Components of Transversely Holomorphic Foliations’.
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- [35] ‘Sur le comportement statistique des feuilles de certains feuilletages holomorphes’.
Coautor: Ch. Bonatti.
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- [36] ‘On the Index of Vector Fields Tangent to Hypersurfaces with Nonisolated Singularities’.
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- [37] ‘A law of conservation of number for Local Euler Characteristics’.
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III. EDITOR:

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[L1], Meromorphic functions and cohomology on a Riemann surface