

Publications

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1. On a class of Rota-Baxter operators with geometric origin, in preparation.
2. $(0; 2)$ Mirror symmetry on complete intersection surfaces, (with N. Buruiana), in preparation.
3. Globally generated vector bundles with small c_1 on projective spaces, (with I. Coanda and N. Manolache) *Memoirs of the AMS*, Volume 253, Number 1209 (2018).
4. Globally generated vector bundles with $c_1 = 5$ on P^3 , (with I. Coanda and N. Manolache) *math.AG arXiv:1805.11336*, 142 pages, (2018).
5. On the vector bundles from Chang and Ran's proof of the unirationality of M_g , $g \leq 13$, (with I. Coanda and N. Manolache) *math.AG arXiv:1711.06060*, (2017).
6. Geometry of the Sasakura bundle, *math.AG arXiv:1711.04732*, (2017).
7. A stable version of Terao conjecture, *math.AG arXiv:1609.04528*, (2016).
8. Four generated 4-instantons, (with I. Coanda and N. Manolache) *math.AG arXiv:1604.01970*, 11 pages, (2016).
9. On large families of bundles over algebraic surfaces, (with N. Buruiana) *Journal of Geometry and Physics* Vol. 100, 92-95, (2016).
10. Quantum Sheaf Cohomology on surfaces of general type I: construction of stable omalous bundles, *Proceedings of ICTAMI 2015*, 9-16, (2015).
11. Locally Cohen-Macaulay space curves defined by cubic equations and globally generated vector bundles, (with I. Coanda and N. Manolache) *math.AG arxiv:1502.05553*, 124 pages, (2015).
12. On a Theorem of Ziv Ran concerning Abelian Varieties Which Are Product of Jacobians, (with N. Buruiana) *Journal of Mathematics* (2015).
13. Restriction of stable bundles on an abelian surface. The $c_2 = 2$ case, *Sci. Ann. of "Al. I. Cuza" Univ. Iasi* vol. LXI, no. 2, 465-470, (2015).

14. Globally Generated Vector Bundles on P^n with $c_1 = 3$,
(with N. Manolache) Math. Nachr. DOI: 10.1002/mana.201200211
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15. Restriction of stable bundles on an abelian surface. The $c_2 = 1$ case,
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16. Restriction of stable bundles on a jacobian of genus 2 to an embedded
curve, Acta Univ. Apulensis Math. Inform. nr. 15, 53-56 (2008).
17. Fibres vectoriels semi-stables sur une courbe de genre deux et association
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18. Extentions of instantons, (with N. Manolache), Rev. Roum. Math. Pures
App. tome XLVIII, nr. 5-6, 437-447 (2003).
19. Complete subvarieties in moduli spaces of stables sheaves with rank 2 and
large c_2 over smooth projective curves and surfaces,
Rev. Roum. Math. Pures App. tome XLVIII, nr. 4, 353-363 (2003).
20. Complete subvarieties in moduli spaces of stables sheaves with rank 2 and
large c_2 over smooth projective surfaces,
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21. Fibres vectoriels stables avec $\chi = 0$ sur une surface abelienne simple,
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22. La stabilit de la restriction a une courbe lisse d'un fibr de rang 2 sur une
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23. Une construction de fibres stables de rang deux avec c_2 suffisamment grand
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