

## PUBLIKACJE ALEKSEGO TRALLE

Publikacje po 1999 r. są dostępne a ArXiv.

### Monografia

1. *Symplectic manifolds with no Kähler structure*, **Lecture Notes in Mathematics**, 1661, Springer, Berlin, 1997 (with J. Oprea)  
**Artykuły w czasopismach (w druku/opublikowane)**
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3. *Non virtually abelian discontinuous group actions vs. proper  $SL(2, R)$ -actions on homogeneous spaces*, **Experimental Mathematics**, 34(2025), 307-315 (wsp. M. Bocheński, W. de Graaf, P. Jastrzębski)
4. *Stretched non-positive Weyl connections on solvable Lie groups*, **Annali di Matematica Pura ed Applicata**, 203(2024), 1463-1481 (wsp. M. Bocheński i P. Jastrzębski)
5. *Negative Sasakian structures on simply-connected 5-manifolds*, **Mathematical Research Letters**, 29(2022), 1827-1857 (wsp. V. Muñoz i M. Schütt)
6. *On the classification of Smale-Barden manifolds with Sasakian structures*, **Communications in Contemporary Mathematics**, 24(2022), no. 9, art. no 2150077 (z V. Muñozem)
7. *Quasi-regular Sasakian and K-contact structures on Smale-Barden manifolds*, **Revista Matematica Iberoamericana**, 38(2022), 1029-1050 (wsp. A. Cañas, V. Muñoz, M. Schütt)
8. *Homogeneous spaces of real simple Lie groups with proper actions of non virtually abelian discrete subgroups: a computational approach*, **Journal of Symbolic Computation**, 113(2022), 171-180 (wsp. M. Bocheński and P. Jastrzębski)
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11. *On locally homogeneous pseudo-Riemannian compact Einstein manifolds*, **Journal of Geometry and Physics**, 155(2020), art. no. 103778 (wsp. M. Bocheński)
12. *Non-existence of standard compact Clifford-Klein forms of homogeneous spaces of exceptional Lie groups*, **Mathematics of Computation**, 89(2020), 1487-1499 (wsp. M. Bocheński i P. Jastrzębski)
13. *On the Hirzebruch-Kobayashi-Ono proportionality principle and the non-existence of compact solvable Clifford-Klein forms of certain homogeneous spaces*, **Forum Mathematicum**, 32(2020), 471-477 (wsp. M. Bocheński)
14. *On formality of some homogeneous spaces*, **Symmetry-Basel**, 11(2019), 1011.
15. *On formality of homogeneous Sasakian manifolds*, **Complex Manifolds**, 6(2019), 160-169 (wsp. I. Morocka-Tralle)
16. *Chern's contribution to the Hopf problem: an exposition based on Bryant's paper*, **Differential Geometry and its Applications**, 57(2018), 138-146 (wsp. M. Upmeyer)
17. *On fibers of fat associated bundles*, **Colloquium Mathematicum**, 150(2017), 149-159 (wsp. M. Bocheński, A. Szczepkowska, A. Woike)
18. *On locally homogeneous compact pseudo-Riemannian manifolds*, **Colloquium Mathematicum**, 150(2017), 135-139 (wsp. M. Bocheński, P. Jastrzębski)
19. *On solvable compact Clifford-Klein forms*, **Proceedings of the American Mathematical Society**, 145(2017), 1819-1832 (wsp. M. Bocheński), Erratum: 148(2020), 2743-2744
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21. *On a classification of fat bundles over compact homogeneous spaces*, **Differential Geometry and its Applications**, 49(2016), 131-141 (wsp. M. Bocheński, A. Szczepkowska i A. Woike)

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23. *Clifford-Klein forms and  $a$ -hyperbolic rank*, **International Mathematics Research Notices**, no 15 (2015), 6267-6285 (wsp. M. Bocheński)
24. *Simply connected  $K$ -contact and Sasakian manifolds in dimension 7*, **Mathematische Zeitschrift**, 281(2015), 457-470 (with V. Muñoz)
25. *On symplectically fat twistor bundles*, **Annals of Global Analysis and Geometry**, 48(2015), 181-194 (wsp. M. Bocheński, A. Szczepkowska and A. Woike)
26. *New constructions of symplectically fat fiber bundles*, **Journal of Fixed Point Theory and Applications**, 17(2015), 66-81 (wsp. M. Bocheński, A. Szczepkowska, A. Woike)
27. *On simply connected  $K$ -contact non Sasakian manifolds*, **Journal of Fixed Point Theory and Applications**, 16(2014), 229-241 (wsp. B. Hajduk)
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37. *A note on hamiltonian circle actions and Massey products*, **Bulletin of the Polish Academy of Science (Mathematics)** **52**(2004), 141-149 (with Z. Stępień).
38. *On certain geometric and homotopy properties of closed symplectic manifolds*, **Topology and its Applications** **127**(2003), 33-45 (with R. Ibáñez, Y. Rudyak, L. Ugarte).
39. *On symplectically harmonic cohomology of six-dimensional nilmanifolds*, **Commentarii Mathematici Helvetici** **76**(2001), 89-109, (with R. Ibáñez, Y. Rudyak, L. Ugarte).
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51. *Cohomology of some graded differential algebras*, **Fundamenta Mathematica** **145** (1994), 181-204 (with W. Andrzejewski).
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53. *On Hochschild and cyclic homology of certain compact homogeneous spaces*, **Czechoslovak Mathematical Journal** **43** (1993), 615-634.
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