



INSTITUTUL DE MATEMATICA
"SIMION STOILOW"
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Concurs pentru ocuparea postului de C.S. II
Disciplinele:
Domeniul MATEMATICA
de la Catedra/Departamentul de Geometrie si Topologie
post publicat in ziarul **Romania Libera** nr. 4835 din 01.02.2006, p. 15

LISTA DE LUCRARI

Candidat: Pantilie N. Radu - Dr. / din 2000.

1^o Teza de doctorat

T1. *Submersive Harmonic Maps and Morphisms*, PhD Thesis, University of Leeds, 147 pg, 2000.

2^o Carti publicate (C1, C2 etc.), indrumare publicate (I 1, 12 etc.), capitole publicate in volume colective, capitole teoretice redactate, sisteme de laborator functionale etc. (D1, D2 etc.), dupa caz, prin care se aduc contributi la asigurarea si perfectionarea activitatilor didactice/profesionale in raport cu natura criteriului de evaluare TC2

3^o Articole / studii publicate in reviste de specialitate recunoscute (R1, R2 etc.), articole/studii publicate in volumele unor manifestari stiintifice internationale recunoscute (Vi1, Vi2 etc.), brevete de inventie (B12, B2 etc.), creatii artistice prezentate la manifestari stiintifice recunoscute (A1, A2 etc.), precum si, dupa caz, alte lucrari similare - articole/studii publicate in volumele unor manifestari stiintifice nationale, lucrari prezentate la diferite seminarii/expozitii etc. (E1, E2 etc.), dupa caz, prin care se aduc contributi la dezvoltarea domeniului in raport cu natura criteriului de evaluare TC3

R1. **R. Pantilie**, J.C. Wood, *Twistorial harmonic morphisms with one-dimensional fibres on self-dual four-manifolds*, The Quarterly Journal of Mathematics (Oxford), vol. 57, no. 1, pp. 105-132, 2006.

R2. **R. Pantilie**, J.C. Wood, *Topological restrictions for circle actions and harmonic morphisms*, Manuscripta Mathematica, vol. 110, no. 3, pp. 351-364, 2003.

R3. **R. Pantilie**, J.C. Wood, *Harmonic morphisms with one-dimensional fibres on Einstein manifolds*, Transactions of the American Mathematical Society, vol. 354, no. 10, pp. 4229-4243, 2002.

R4. **R. Pantilie**, J.C. Wood, *A new construction of Einstein self-dual metrics*, The Asian Journal of Mathematics, vol. 6, no. 2, pp. 337-348, 2002.

R5. **R. Pantilie**, *Harmonic morphisms with 1-dimensional fibres on 4-dimensional Einstein manifolds*, Communications in Analysis and Geometry, vol. 10, no. 4, pp. 779-814, 2002.

R6. **R. Pantilie**, J.C. Wood, *New results on harmonic morphisms with one-dimensional fibres*, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie (N.S.), volume in the memory of G. Vranceanu, vol. 43(93), no. 3-4, pp. 355-365, 2000.

R7. **R. Pantilie**, *Conformal actions and harmonic morphisms*, Mathematical Proceedings of the Cambridge Philosophical Society, vol. 129, no. 3, pp. 527-547, 2000.

R8. **R. Pantilie**, *Isometric actions and harmonic morphisms*, Michigan Mathematical Journal, vol. 47, no. 3, pp. 453-467, 2000.



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- R9. **R. Pantilie**, *Harmonic morphisms with one-dimensional fibres*, International Journal of Mathematics, vol. 10, no. 4, pp. 457-501, 1999.
- R10. **R. Pantilie**, *On the fundamental equations of a Riemannian submersion*, Revue Roumaine de Mathematiques Pures et Appliquees, vol. 43, no. 7-8, pp. 779-783, 1998.
- R11. **R. Pantilie**, *Some remarks on harmonic Riemannian submersions*, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie (N.S.), vol. 40(88), no. 1, pp. 21-25, 1997.
- R12. **R. Pantilie**, *On Yang-Mills connections and Riemannian submersions*, Studii si Cercetari Matematice, vol. 47, no. 3-4, pp. 333-335, 1995.
- R13. **R. Pantilie**, *A simple proof of the de Rham decomposition theorem*, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie (N.S.), vol. 36(84), no. 3, pp. 341-343, 1992.

Vi1. R. Pantilie, *Harmonic morphisms between Weyl spaces*, in Proceedings of the Seventh International Conference on Differential Geometry and its Applications, Deva, Romania, 5-11 September 2005, (in curs de aparitie).

Vi2. R. Pantilie, *On submersive harmonic morphisms*, in Harmonic morphisms, harmonic maps and related topics, Research Notes in Mathematics, vol. 413, Chapman and Hall/CRC, Boca Raton, pp. 23-29, 2000.

4^o Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe baza de contract/grant, precum si alte lucrari de cercetare-dezvoltare (F1, F2 etc.), dupa caz, prin care se aduc contributiile la dezvoltarea mediului educational/cultural/economic/social etc. in raport cu natura criteriului de evaluare TC4

P1. Soutien a la Recherche du Conseil General du Finistere, France, 2003-2004,

E. Loubeau, **R. Pantilie**, *Harmonic morphisms between Weyl spaces and twistorial maps*, Preprint, Universite de Bretagne Occidentale, Brest, 2004, I.M.A.R., 2005.

P2. The Engineering and Physical Sciences Research Council Grant, U.K., 2000-2002,

R. Pantilie, J.C. Wood, *Twistorial harmonic morphisms with one-dimensional fibres on self-dual four-manifolds*, The Quarterly Journal of Mathematics (Oxford), vol. 57, no. 1, pp. 105-132, 2006.

Nota

- (1) Fiecare lucrare este prezentata, in limba in care a fost publicata/expusa, corespunzator structurii "I, II, III, IV, V, VI", unde: I este indicativul (T1, T2 etc.; C1, C2 etc. ...), care se scrie "bold" la lucrarile realizate dupa acordarea ultimului titlu didactic/grad profesional (C1, I 1 etc., dupa caz); II - autorii in ordinea din publicatie, cu scriere "bold" a **candidatului**; III - titlul scris "italic"; IV - editura sau revista sau manifestarea si/sau alte elemente de localizare, dupa caz; V - intervalul de pagini din publicatie, respectiv, pp...-..., numarul total de pagini, respectiv, pg., sau alte date similare, dupa caz; VI - anul sau perioada de realizare, dupa caz.
- (2) In cadrul fiecarui grup de lucrari (C1, C2 etc.; I 1, 12 etc.;), lucrarile sunt in ordine invers cronologica.

Candidat,

Dr. Radu Pantilie