Curriculum Vita
Hamid Reza Salimi Moghaddam

General Information

Born: 1/1/1980, Tehran, Iran.
Citizenship: Iranian.
Gender: Male.
Marital Status: Married.
Number of children: One daughter.
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Address: Department of Mathematics,
Shahrood University of Technology,
Shahrood, Iran.

Education

$[2004 - 2007]$ Ph.D. in mathematics (Differential Geometry).
Thesis title: Invariant Finsler metrics on homogeneous spaces.
Thesis Advisor: Prof. E. Esrafilian.
Iran University of Science and Technology, Tehran, Iran.

$[2002 - 2004]$ M.Sc. in mathematics (Differential Geometry).
Thesis title: Differential geometry of Cartan connections.
Thesis Advisor: Dr. M. Nadjafikhah.
Iran University of Science and Technology, Tehran, Iran.

$[1998 - 2002]$ B.Sc. in pure mathematics July 2002.
Shahrood University of Technology, Shahrood, Iran.

Research Interests

Finsler geometry, invariant structures on Lie Groups
and Homogeneous spaces.

Publications

(1) T-Bundle,joint with Dr. M. Nadjafikhah, 3th Geometry and Topology Conference, Iran, 2004.
(2) T-Bundle, A Generalization of Tangent Bundle, joint with Dr. M. Nadjafikhah,
    IUST International Journal of Engineering Science, Vol. 16, No. 4, 2005.
(3) Flag curvature of invariant Randers metrics on homogeneous manifolds, joint with Prof. E. Esrafilian,
    J. Phys. A: Math. Gen. 39 (2006) 3319–3324.
(4) Induced Invariant Finsler Metrics on Quotient Groups, joint with Prof. E. Esrafilian,
    Balkan Journal of Geometry and Its Applications, Vol.11, No.1, 2006, pp. 73–79.
(5) The Relation Between the Associate Almost Complex Structure to HM' and (HM', S, T)-Cartan
    Connections, joint with Prof. E. Esrafilian, Symmetry, Integrability and Geometry:
    Methods and Applications, Vol. 2 (2006), Paper 067, 7 pages.
(6) Flag curvature of bi-invariant Randers metrics on Lie Groups, joint with Prof. E. Esrafilian,
    Proceeding of the 37th Annual Iranian Mathematics Conference, September 2–5, 2006, pp. 55–58.

(7) The Lie group of isometries of a Finsler space, joint with Dr. Nadjafikhah and A. M. Shiraye,
Proceeding of the 37th Annual Iranian Mathematics Conference, September 2–5, 2006, pp. 45–48.

(8) The Lie algebra of smooth section of a T-Bundle, joint with Dr. M. Nadjafikhah,
International Journal of Engineering Science, Vol 17, No 3, pp. 81-85, 2006.

(9) Symplectic Connections Induced by the Chern Connection, joint with Prof. E. Esrafilian,
Differential Geometry - Dynamical Systems, Vol.10, 2008, pp. 99–106.

(10) On the flag curvature of invariant Randers metrics on homogeneous spaces,
Math. Phys. Anal. Geom. (2008) 11: 1-9.

(11) Flag curvature of invariant (α, β)-metrics of type $\frac{(\alpha+\beta)^2}{\alpha}$,
J. Phys. A: Math. Theor. (2008) 41 275206 (6pp).

(12) Randers Metrics of Berwald type on 4-dimensional hypercomplex Lie groups,
J. Phys. A: Math. Theor. 42 (2009) 095212 (7pp).

(13) Some Berwald spaces of non-positive flag curvature,
Journal of Geometry and Physics, Vol 59, pp. 969–975, 2009.

(14) On the Geometry of Some Para-Hypercomplex Lie Groups,
Archivum Mathematicom BRNO, Vol. 45 pp. 159–170, 2009.

(15) On Some Hypercomplex 4-Dimensional Lie Groups of Constant Scalar Curvature,
International Journal of Geometric Methods in Modern Physics, Vol 6, No 4, pp. 619–624, 2009.

(16) On The Geometry Of Four Dimensional Hypercomplex Lie Groups,
Proceedings of the First International Conference on Mathematics and Statistics
, AUS-ICMS10, Sharjah, U.A.E. March 18-21, 2010.

(17) The Relation Between Automorphism Group and Isometry Group of Randers Lie Groups,
Results in Mathematics, To appear.

(18) On the Randers metrics on two-step homogeneous nilmanifolds of dimension five,
International Journal of Geometric Methods in Modern Physics, To appear.

Teaching Activities

- Linear Algebra; Spring 2004, Fall 2004, Spring 2005, Fall 2005, Spring 2006.
- Mathematical Analysis course (I); Spring 2004, Fall 2004, Spring 2005, Fall 2005, Spring 2006.
- General Topology; Fall 2005.
- Introductory differential Topology; Spring 2007.
- Local differential geometry, Calculus I and II; Fall 2007.
- General Topology, Global differentia geometry, Calculus II; Spring 2008.
- Local differential geometry, Differentiable manifolds I; Fall 2008.
- Local differential geometry, Global differentia geometry, Calculus II, General Topology; Spring 2009.
- Local differential geometry, Global differentia geometry, Calculus I, Differentiable manifolds I, Foundations of geometry; Fall 2009.
- Differentiable Manifolds II, General Topology, Projective Geometry, Calculus II; Spring 2010.
- Local differential geometry, Calculus II, Differentiable manifolds I, Foundations of geometry; Fall 2010.
- Lie groups and Lie Algebras I, Differentiable Manifolds II, Projective Geometry, Calculus II; Spring 2011.

Participant in Conferences

- The First International Conference on Mathematics and Statistics- AUS-ICMS'10, Sharjah, U.A.E. March 18-21, 2010.
- 37th Annual Iranian Mathematics Conference, Tabriz, 2006.
- 3th Iranian Geometry and Topology Seminar, Tabriz, 2004.
- 14th Iranian Analysis and Its Applications Seminar, Tehran, 2003.
- 34th Annual Iranian Mathematics Conference, Shahrood, 2003.
- 31th Annual Iranian Mathematics Conference, Tehran, 2000.