Acta Mathematica Academiae Paedagogicae Nyíregyháziensis
24 (2008), 1–2
www.emis.de/journals
ISSN 1786-0091

WORKSHOP ON FINSLER GEOMETRY AND ITS APPLICATIONS. MAY 28 — JUNE 2, 2007, BALATONFÖLDVÁR, HUNGARY

Preface

The Workshop on Finsler Geometry was held in Balatonföldvár, Hungary between May 28 and June 2, 2007 at the Lake Balaton, organized by the Department of Geometry, University of Debrecen, Debrecen, Hungary. The organizers were Sándor Bácsó, László Kozma and József Szilasi, all from University of Debrecen.

There were 40 participants from 9 countries: Xinyue Cheng, and Bingye Wu from China; Ludek Klimes and Josef Mikes from the Czech Republic; Sándor Bácsó, Zoltán Kovács, László Kozma, Zoltán Muzsnay, Brigitta Szilágyi, Lajos Tamássy, Annamária Tóth, Tran Quoc Binh, and Csaba Vincze from Hungary; Sina Hedayatian, Asadollah Razavi, Bahman Rezaei, and Nasrin Sadeghzadeh from Iran; Tadashi Aikou, Koji Matsumoto, Tesuya Nagano, and Takahiro Yajima from Japan; Chang-Wan Kim from Korea, Malgorzata Jozefowicz from Poland; Nicoleta Aldea, Mihai Anastasiei, Nicoleta Brinzei, Ioan Bucataru, Monica Ciobanu, Oana Constantinescu, Camelia Frigioiu, Marinela Gheorghe, Manuela Girtu, Cristana Hretcanu, Ioan Radu Peter and Marcel Roman from Romania; V. M. Chernov, Alexander Kaloguine, Sergey V. Lebedev, Dmitri G. Pavlov, and Sergey V. Siparov from Russia.

The workshop gathered several outstanding experts, and the talks covered a great variety of recent important new results in Finsler geometry. In the program 36 talks were presented, including invited lectures and short communications. A half-day ship excursion to the picturesque peninsula Tihany, and two social dinners with wine-tasting made the stay more pleasant at the bank of the Lake Balaton.

The paper versions of the contributions in the volume reflect the key points of the meeting. In current research special interest is devoted to special Randers metrics, even in the complex case, and then to homogeneous Finsler structures, relating algebraic structures, several generalizations to higher order case and Lagrange geometry, and as well as to projective mappings of Finsler manifolds.

Some talks were strongly related to applications such as KCC theory, field theory, and space-time geometrical structures. — We hope that our meeting provided a splendid opportunity for the Finslerists from Iran, Japan, China, Romania, the Czech Republic, Hungary, etc., to distribute and discuss their recent results, to know the current trends and problems of the subject from each other, stimulating further successful joint research,

We thank the generous support of the Hungarian National Science Foundation (OTKA), grant No. T48878, as well as the Institute of Mathematics and the Faculty of Informatics of the University of Debrecen. It is our pleasant duty to thank our guests who contributed to the success of the Colloquium and especially to those who offered us their manuscript for publication.

The organizers of the workshop and the editors of the proceedings volume