

## FOREWORD

Mathematical Institute SANU has organized 11th Yugoslav Geometrical Seminar on Divčibare, 10–17 October 1996. This Seminar continued a tradition of similar meetings organized by Yugoslav geometers in earlier years. It was, however, for two reasons very distinct from its predecessors: For the first time Fall School of Differential Geometry was organized. This school consisted of 3 mini courses

1. D.M. Alekseevsky (Moscow, Russia) *Flag manifolds*
2. P.B. Gilkey (Eugene, USA) *Riemannian submersions and spectral geometry*
3. S. Markvorsen (Lyngby, Denmark) *Geometry and shape*

These courses were aimed primarily at doctorands graduate students and doctorands.

The second novelty of this Seminar was the section “Didactics and History of Geometry”. Therefore the number of participants was 150, much larger than earlier. Among participants were about 100 teachers from Gymnasiums high schools. Fall School of Differential Geometry had more than 30 participants, most of them young mathematicians.

The reasons for these novelties were explained in the welcoming address by the chairman of the Organizing Committee, Prof. M. Prvanović.

This volume of “Zbornik radova” consists of lectures given in this School.

Proceedings of the 11th Yugoslav Geometrical Seminar which consists of all lectures of invited speakers in Section Didactic and History of Geometry will also be published.

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