

Ján Čižmár

Professor Václav Medek (1923--1992)

Mathematica Slovaca, Vol. 43 (1993), No. 4, 517--518

Persistent URL: <http://dml.cz/dmlcz/128789>

Terms of use:

© Mathematical Institute of the Slovak Academy of Sciences, 1993

Institute of Mathematics of the Academy of Sciences of the Czech Republic provides access to digitized documents strictly for personal use. Each copy of any part of this document must contain these *Terms of use*.



This paper has been digitized, optimized for electronic delivery and stamped with digital signature within the project *DML-CZ: The Czech Digital Mathematics Library* <http://project.dml.cz>

PROFESSOR VÁCLAV MEDEK 1923 – 1992

An eminent Slovak mathematician and pedagogue, a distinguished officer of the Union of Czecho-Slovak Mathematicians and Physicists, and an outstanding organizer of scientific and pedagogical life, Professor Václav Medek died suddenly on 31st March 1992. He was born at Žilina on 23rd October 1923. He finished there the secondary school and passed his leaving examinations in 1942. In the same year, he entered Comenius University in Bratislava, where he studied mathematics and descriptive geometry at the Faculty of Sciences till 1946. He received his RNDr. degree in 1949.

All pedagogical activity of V. Medek was devoted to the Slovak Technical University in Bratislava: since 1943 until his death he acted there as a demonstrator, an assistant lecturer, a senior lecturer and since 1963 a professor at the Department of Mathematics and Descriptive Geometry of the Faculty of Civil Engineering. He was the head of this department for a long time. He belonged to the first teachers of the descriptive geometry at the technical universities in Slovakia and provided an essential contribution to the development of the education in this subject. His numerous textbooks on descriptive geometry and computer geometry for technical universities and secondary schools stay in the fundamental stock in these domains till our days.

The research interests of V. Medek focused on several branches of the geometry. In the first period he dealt with problems of classical projective and algebraic geometry closely adjacent to the descriptive geometry. The second period includes results on foundations of geometry, particularly on finite projective planes and their subsets and on special mappings of these objects. It also contains the solution of some special problems of descriptive geometry. In the last period V. Medek paid a great attention to computer geometry, computer graphics and their applications in the descriptive geometry, such as a contour of convex surfaces, cyclo-graphic mapping, descriptive geometry in an orthogonal space etc. In particular, V. Medek's approach to the construction of the contour anticipated methods of computer graphics which were developed twenty years later.

Professor V. Medek played a significant role in the education of young research and scientific workers and university teachers in geometry, descriptive geometry and computer graphics.

Professor V. Medek was an excellent example of modest man, friendly behaving, of high moral character, of cordial relations to all colleagues and friends, accurate in work. He always offered words of understanding, wise advice and help to anybody in need. His name will remain in the memory of Slovak mathematicians and in the history of Slovak mathematics.

Ján Čizmár

LIST OF SCIENTIFIC PAPERS BY PROFESSOR VÁCLAV MEDEK

- [1] *Synthetic construction of the Hessean cubic of a net of conic sections* (Slovak), Časopis Pěst. Mat. **75** (1950), 358–361.

- [2] *Mapping of osculating and hyperosculating conic sections of a nonsingular conic section* (Slovak), Techn. sbor. (1950), 94–95.
- [3] *Mapping of some nonlinear systems of conic sections* (Slovak), Mat.-fyz. sborník SAVU (1951), 59–67.
- [4] *On the contour of convex surfaces* (Slovak), Mat.-fyz. čas. **4** (1954), 38–42.
- [5] *Linear systems of projective correspondences on the line* (Slovak), Mat.-fyz. čas. **6** (1956), 98–108.
- [6] *Some linear systems of singular collineations* (Slovak), Mat.-fyz. čas. **7** (1957), 83–93.
- [7] *Cyclographic mapping in the plane* (Slovak), Mat.-fyz. čas. **8** (1958), 73–80.
- [8] *On a mapping of a complex projective plane* (Slovak), Mat.-fyz. čas. **9** (1959), 211–221.
- [9] Об разложении пучков проективных преобразований, Mat.-fyz. čas. **11** (1961), 99–112.
- [10] Об разложении сетей проективных преобразований, Mat.-fyz. čas. **11** (1961), 229–237.
- [11] *On bundles and nets of projective correspondences on the line* (Slovak), Sborn. elektrotechn. fak. SVŠT (1964), 265–268.
- [12] *On an interpretation of affine geometry over the field of residual classes mod p* (Slovak), Mat.-fyz. čas. **16** (1966), 41–44.
- [13] *A correspondence between products of projective mappings on the line in a different order* (with J. Horniaček) (Slovak), Sborn. stav. fak. SVŠT (1966), 7–17.
- [14] *Darstellende Geometrie eines Raumes mit Orthogonalgeometrie* (Slovak), Mat. čas. **19** (1969), 216–224.
- [15] *Eine Bemerkung über endliche Ovale ungerader Ordnung*, Mat. čas. **22** (1972), 319–322.
- [16] *Über den Umriss der konvexen Flächen*, Apl. Mat. **23** (1978), 378–380.
- [17] *Über eine Eigenschaft von Ovalen*, Časopis Pěst. Mat. **103** (1978), 297–302.
- [18] *Über den Umriss der konvexen Flächen* (with J. Zámožík), Vorträge z. Geometrie **28** (1978), 73–76.
- [19] *On the intersection of half-planes and half-spaces* (Slovak), Mat. obz. **14** (1978), 61–68.
- [20] *Einige Bemerkungen zur darstellenden Geometrie eines Raumes über einem angeordneten Körper*, Acta Math. Univ. Comian. **39** (1980), 25–29.
- [21] *On the boundary of a finite set of point in the plane*, Com. graph. im. proc. **15** (1981), 93–99.
- [22] *Boundary of the union of rectangles in the plane*, Apl. Mat. **28** (1983), 161–176.
- [23] *Culling hidden edges of rectangular parallelepipeds* (with J. Zámožík), Comp. vis., graph. im. proc. **28** (1984), 263–268.
- [24] *Free casting for chains*, Comput. Artificial Intelligence **5** (1986), 259–264.
- [25] *Two notes on topics of hidden edges*. In: Zborn. ved. prác SvF SVŠT, 1984, pp. 341–345.
- [26] *Decomposition of a planar region* (with J. Zámožík and K. Gajdoš). In: Proc. sem. comp. graph. MtF STU Trnava and SjF STU Bratislava, 1992, pp. 5–9.