

SCIENTIFIC CURRICULUM VITAE OF E. MAKAI, JR.

I was born 19-th June 1947 in Budapest. My father, Endre Makai (Sr.) was also a mathematician. I graduated in mathematics in the L. Eötvös University, Budapest, in 1970. Since then I worked till my retirement in the Mathematical Institute of the Hungarian Academy of Sciences, later renamed as Alfréd Rényi Institute of Mathematics, Hungarian Academy of Sciences, in Budapest. I retired in 2018, and I was a research professor emeritus of the Institute from my retirement till the termination of this Institute in 31st August 2019. From 1st September 2019 the legal successor of this Institute is Alfréd Rényi Institute of Mathematics, ELKH (=Eötvös Lóránd Research Network, state owned), later HUN-REN (= Hungarian Research Network, state owned), and I am a professor emeritus of the successor Institute.

I have written 94 papers, from which 60 are written with coauthors. The number of known independent citations obtained to my papers – i.e., the cited paper and the citing paper having no common authors – is 528. (In Google Scholar Citations I have 630 citations, but these include dependent citations as well.) From my papers 15 are in topology, 13 in functional analysis and operator theory, the others almost all in geometry. I have more than one common paper with the following mathematicians: B. Aupetit, A. Bezdek, K. Bezdek, K. Böröczky (Sr.), Á. Császár, P. Erdős, I. Fáry, T. Hausel, J. Jerónimo-Castro, G. Kertész, H. Martini, M. Mbekhta, T. Ódor, J. Pach, V. Soltan, J. Spencer, A. Szűcs, T. Tarnai, J. Zemánek. Among them the most common papers, namely 19, I have with H. Martini, in convexity, the second most, namely 12, with T. Tarnai, in polyhedra and mechanisms, the third most, namely 8, with J. Zemánek, in operator theory, and the fourth most, namely 6, with J. Pach, in combinatorial and discrete geometry. With P. Erdős I have 3 common papers, in combinatorial geometry.

In geometry I have dealt with convex geometry, discrete geometry, combinatorial geometry, lattices of convex bodies, mechanisms, convex polyhedra. In topology I have dealt with categorical questions. In functional analysis and operator theory I have dealt with various topics.

I regularly participated and gave talks on conferences on geometry and topology, and sometimes on functional analysis and operator theory, in various countries of Europe and North America. I took part several times in the Oberwolfach conferences on discrete geometry and convexity.

I am married. Two of our children have families, and they live separately from us. The other two children are single, one lives separately from us, and the other one lives with us.

The mathematician Tamás Makai is my nephew.

Budapest, 19. Dec. 2024

E. Makai, Jr.

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