

Remembering Jerzy K. Baksalary: My Mentor in Mathematics and Beyond

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Abstract

The vast majority of researchers, regardless of their field of study, hold their teachers in the highest esteem, because they remain present in their scholarly work long after their joint research has ended. The legacy of great mentors continue to live on through the theorems, proofs, and research questions pursued by their students. My presentation has been prepared in this spirit.

My own scientific achievements are modest compared with those of my mentor, Professor Jerzy K. Baksalary. However, whatever I have managed to accomplish is a direct result of knowledge, inspiration, and example that I received from him. This influence extends beyond my research work, to my teaching activities and many other spheres of my life.

In my presentation, I will trace the history of my long-standing collaboration with Jerzy K. Baksalary from 1979 to 2005, highlighting selected aspects that were particularly significant. This period includes interruptions caused by his involvement in the first Solidarity movement and its consequences, as well as the years when he served as Rector of the Zielona Gora Pedagogical University. I will also describe the background and circumstances that led to the publication of two of our joint papers, [1] and [2].

Keywords

Jerzy K. Baksalary, Matrix equation, Matrix partial ordering

References

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- [2] Baksalary J.K., Hauke J., Xiaoji Liu and Sanyang Liu (2004). Relationships between partial orders of matrices and their powers. *Linear Algebra Appl.*, 379, 277– 287.