

Heinz Langer and his relations to the Mathematical Institute of Leipzig University in the period 1980-2024

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The main contacts of Heinz Langer to Leipziger mathematicians in the period under consideration were first concentrated to several parts of the stochastics group. This was caused by the fact that Heinz headed at Technical University of Dresden a group which was concerned with Markov processes and some parts of prediction theory.

The relations of Heinz to Leipzig University had been strongly improved in the beginning of September 1980. At this time Lutz Peter Klotz who was PhD student of Heinz in Dresden in the period 1976-1980 became a member of the functional analysis group in Leipzig headed by Gerd Laßner. This was intended against the background to start some collaboration between the groups of Laßner and Langer on stochastic applications of functional analysis. Another event of interest in September 1980 was connected with the fact then Bernd Fritzsche and Bernd Kirstein started to work in the Statistics group of Leipzig University on prediction theory of weakly stationary stochastic processes what was also the main subject of Lutz Peter Klotz. In this way, with the aid of Lutz Peter Klotz mutual contacts between Heinz Langer on the one side and Bernd Fritzsche and Bernd Kirstein on the other side were established which could be continued till the death of Heinz Langer.

In my talk I will touch many aspects of this contacts which were then mainly concerned with Schur analysis and matricial interpolation and moment problems. In particular, we had many close contacts and exchange with joint Soviet colleagues and friends which are representatives from the schools of M.G. Krein, M.S. Livsic and V.P. Potapov. Exemplary I mention the names of D.Z. Arov, V.E. Katsnelson, L.A. Sakhnovich, A.L. Sakhnovich.