Numerical Linear Algebra: A View from an Outsider

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The definition that numerical linear algebra is the investigation of algorithms for performing linear algebra computations, in particular matrix operations, on computers is an obvious observation. When I started my mathematical career (about 40 years ago), I was not aware that numerical linear algebra is also a (lively) mathematical research field. I have learned this meanwhile – to a large extent through my contacts with Volker Mehrmann and his research environment. The VM60 Festival seems to be a good opportunity to survey some of my experiences and encounters with numerical linear algebra, and in particular, to sketch the type of numerical linear algebra that is important for my own work.