

Van der Waerden's lectures on the modern algebra in Göttingen in 1927/1928

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The most talented Czech and German mathematicians from our lands went abroad, thanks to government scholarships and funding. They travelled mainly to Germany, France, Italy or USA and looked there for better career, broadening the horizon of their knowledge and contacts with the best mathematical centres of Western Europe as well as possibility to publish their scientific works there. They usually came back after some time and worked as professors at prestigious secondary schools or universities and influenced the development of our mathematics.

Among the most notable archival documents from this period, located in the Archive of the Academy of Sciences of the Czech Republic, are fourteen notebooks with notes written by Vojtěch Jarník (1897–1970), the later prominent Czech mathematician, during his studies at Göttingen. The notebooks contain his notes from the famous lectures delivered by Emmy Noether (1882–1935), Karl Grandjot (1900–1979), Pavel Sergeevich Aleksandrov (1896–1982) and Bartel Leendert van der Waerden (1903–1996). Jarník's notebooks were discovered by Jindřich Bečvář in 2004 when he was preparing an extensive monograph on the life and work of Vladimír Kořínek (1899–1981), a Czech algebraist.

We intend to describe the life and work of B.L. van der Waerden and V. Jarník and to present and analyze unique archival materials – two of Jarník's mathematical notebooks (more than 150 pages), which he wrote in the academic year 1927/1928 and which contain a record of the famous lectures delivered by van der Waerden during the course entitled *Allgemeine Idealtheorie*.