

ON THE WORK OF LECH DREWNOWSKI

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It is difficult to write a paper on a mathematical work of a person like Lech Drewnowski. First of all because of a large variety of subjects he worked on. Secondly, since several of his topics which seem to be completely pairwise unrelated surprisingly turn out to be connected on a deep level: look for instance, on Drewnowski's work on Nikodým and Vitali-Hahn-Saks theorems — it is a root of his interest in barrelled spaces and one can easily observe its further interrelation with his work on series convergence in the context of the Orlicz-Pettis theorem. The third reason why our task is close to impossible is that Drewnowski's work is far from being completed: every year new and thorough papers appear so one cannot predict which of that existing papers should be reinterpreted in a new light of his recent discoveries. Last but not least it is difficult to write about our own Master and Teacher whom we owe so much. We do not present a systematic and detailed analysis of all Drewnowski's results. We have subjectively selected several topics and theorems due to him which are, in our private opinion, beautiful, important and also sufficiently near to our own interests.

Let us say that Drewnowski is a true “problem solver”. When others feel that the solution is already complete and fully satisfactory, he works further and finds unexpected deeper results and he builds an extensive theory. While collaborating we experienced this phenomena several times. One could say that the “first solution” is only a motivation and starting point for Drewnowski's extensive research which leads to the “deep solution”. In this paper we explain a little bit of motivation of the particular theorems but the emphasis will be put on further results inspired by Drewnowski's research. We will show how many people owe their inspiration to Drewnowski. Writing this survey we realized once again how lovely Lech's mathematics is.

Lech Drewnowski was born on 10 February 1944 in Kruszyna (now part of Belarus). He started an academic career at Adam Mickiewicz University in Poznań in 1966 when he had finished mathematical studies on the Faculty of Mathematics, Physics and Chemistry. Five years later, in 1971, Lech Drewnowski