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Report on the didactic qualification of  
Dr. Wolfgang Globke

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Since I haven't attended courses taught by Wolfgang Globke, this report is mainly based on the didactic talk he gave during the habilitation procedure and on the information submitted with the application for habilitation, which includes teaching evaluations. Finally, I have also heard Wolfgang giving research talks at conferences, which rounded off my impression. The list of teaching activities submitted with the application for habilitation shows that Wolfgang Globke has built up a lot of teaching experience already. He has taught at different Universities (Karlsruhe Institute of Technology, University of Adelaide, DHBW Mannheim) and on different levels. Apart from basic and advanced courses for mathematicians, he has also substantial experience with teaching for non-mathematical studies including computer science, chemistry and biology. The teaching evaluations by students included in the application concern courses of the latter type, which are difficult to teach and often viewed very critical by the students. The fact that all these evaluations are very positive is a clear indication for the quality of Wolfgang's teaching.

This good impression was confirmed by the didactic talk that Wolfgang presented as a part of the habilitation procedure. The talk was devoted to Bieberbach's theorems on crystallographic groups. This topic was chosen very well as it is not part of standard lectures, but still close enough to the contents of standard courses to be understandable. It also allowed Wolfgang to demonstrate that he can nicely teach both in an algebraic and in a geometric setting. The talk took place in an unusual setup because of the COVID19 lockdown. It was presented online with slides available via a shared screen, on which the lecturer could also do handwriting during the lecture. It was attended by about 15 people in total. Wolfgang dealt with this situation very well, using the equipment very efficiently and keeping good contact to the audience in spite of the unusual situation. Both the talk itself and the slides were very well structured and understandable. I also had the impression that Wolfgang dealt with the audience very well and gave good answers to questions. All these ingredients lead to the impression that Wolfgang Globke is an experienced and highly competent teacher. Hence from the point of view of didactic qualification and pedagogical abilities. I strongly support that Wolfgang Globke should be awarded the habilitation for mathematics.

With best regards,