User Interfaces of Mathematical Web Services - a Semi-Empirical Study about Math User Behavior

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Session: 19. Information and Communication in Mathematics

User Interfaces (UIs) affect essentially use and acceptance of information services, also in mathematics. But what are the relevant factors for the acceptance? Here, first results of a semi-empirical study about mathematicians' behavioral characteristics/attitudes with respect to selected mathematical information services are discussed. For the analysis 24 repertory grid interviews with different groups of mathematicians were conducted leading to a set of patterns which are relevant for the design of UIs of mathematical information services in the future. These patterns as well as future design suggestions are the focus of the talk.