

# Abstract for the EMPG 1999 Meeting in Mannheim

## **Probabilistic Assessment of Knowledge**

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Various procedures for the consideration of noise (e.g. careless errors or lucky guesses) in the assessment of knowledge within knowledge space theory have been suggested. These procedures can be divided into two basic classes, discrete procedures which try to cover noise by correcting a previously made (preliminary) assessment error, and continuous procedures which estimate certain parameters of the probability distribution of knowledge states. In a simulation study, the different procedures are compared. Special attention is given to the robustness against noise.