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MUEST: an Adaptive Psychometric Method

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MUEST is an extension of the so-called QUEST method of Watson and Pelli. As in QUEST, MUEST gives a Bayesian estimate of the “threshold” (offset of a psychometric curve), but additionally also estimates the steepness of the psychometric curve. After each trial, an optimal placement of the next stimulus level is calculated on basis of the threshold and steepness. The method and its advantages will be presented and some, previously time-consuming, applications will be discussed.