Knowledge Space Assessment via the Web

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We are developing a computerized assessment system for the mathematics curriculum in grades 4 to 8 which uses the Web both to deliver assessments based on Knowledge Space theory, and to gather information which refines the assessment procedure. We designed 'ISL', and HTML--like language to specify question items which are instantiated dynamically to produce specific questions. Linked to the assessment materials, mathematical lessons, explanations, and definitions are provided to assist the student in his/her learning.