

1077-O5-201      **Carles Aguilo\*** ([carles@wiris.com](mailto:carles@wiris.com)), Via Augusta, 59, 08006 Barcelona, Spain, and **Ramon Eixarch** ([ramon@wiris.com](mailto:ramon@wiris.com)), Via Augusta, 59, 08006 Barcelona, Spain. *WIRIS collection, a repository of ready-made online exercises for self-assessment.*

According to our experience, random elements for questionnaires are especially appreciated by authors. The automatic evaluation of the answers is critical for random questions. The integration of a system that performs mathematical calculations (a Computer Algebra System) is necessary for providing this automatic evaluation and for making sure that the student's answer is checked for mathematical equivalence and not simple equivalence.

The user interface of the student is the second crucial element of any online questionnaire system. Too often, the student fails to provide the correct answer due to minor syntactical errors that are introduced at the moment of typing in his answer. WIRIS quizzes offers a solution to all these problems, integrating an equation editor for the answer introduction and a powerful CAS for the answer check.

We present now the WIRIS collection (<http://collection.wiris.com>), released in May 2011 and containing today over 1 500 exercises created by teachers and shared under a Creative Commons license. This repository already shows a wide variety of approaches: from a course specially designed for a child with a learning disability through regular high school courses to a linear algebra course in a technical university. (Received August 11, 2011)