1067-G1-2168   **Nathan C Carter*** (`ncarter@bentley.edu`), 175 Forest St, Waltham, MA 02452, and **Kenneth G Monks**. *The Lurch Project: A word processor that checks your math.*

The Lurch Project is a new type of mathematical software, one designed not to compute answers for the user, but instead to check each step of the mathematics the user types into a word processor. Students find this immediate feedback valuable. This talk will briefly tour the current state of the project, and demonstrate how instructors can easily customize Lurch to the needs of their courses. Plans for the future of the project will also be mentioned, and an invitation for the mathematical community in general to become involved in shaping that future. More information is available at http://lurch.sourceforge.net. (Received September 22, 2010)