A partial bibliography on automatic proof of identities

"Identities and their computer proofs" (lecture notes), H. Wilf; available via anonymous ftp of the file pub/wilf/lectnotes.ps at the site ftp.cis.upenn.edu.

*Rational functions certify combinatorial identities,* H. Wilf and D. Zeilberger, *Journal of the AMS* **3**:147-158 (1990).

*An algorithmic proof theory for hypergeometric (ordinary and "q") multi-sum/integral identities*, H. Wilf and D. Zeilberger, *Inventiones Mathematicae* **108**:575-633 (1992).

*On Zeilberger's algorithm and its q-analogue*, T. Koornwinder, *Journal of Computational and Applied Mathematics* **48**:91-111 (1993).

*Short and easy computer proofs of the Rogers-Ramanujan identities and identities of similar type*, P. Paule, *Electronic Journal of Combinatorics* **1**:#R10 (1994).

Zeilberger's software is available at http://www.math.temple.edu/ zeilberg. Koornwinder's software can be obtained via anonymous ftp from the site ftp.fwi.uva.nl, and is in the directory pub/mathematics/reports/Analysis/ koornwinder/zeilbalgo.dir.