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Daniel J. Bates*, 255 Hurley Hall, Department of Mathematics, University of Notre Dame,
Notre Dame, IN 46556, and **Andrew J. Sommese** and **Charles W. Wampler**. *Using Bertini*.

Bertini is a software package for computation in numerical algebraic geometry under ongoing development by the authors. Various capabilities of this software will be described, and the structure of several types of runs will be related. After attending this talk, one should be able to use at least the basic functions of Bertini. (Received February 13, 2006)