Abstract

The scientific work of David Gottlieb is a true success story. He has been the key person in the development of spectral methods over the last thirty years beginning with his book 1977 with Steve Orzag. His theoretical analysis and generalization to new types of basis functions took the use of spectral methods to higher levels of applications. He also made significant contributions to other areas of numerical analysis, as for example the development of high order difference methods.

This talk is a survey of David Gottlieb’s work, and its impact on scientific computing.