

The following lucid discussion showing EISPACK "in action" comes from pp. 76-82 of an article written by two of its developers, J.J. Dongarra and C.B. Moler (from the Argonne Natl. Lab. and the Univ. of New Mexico, resp.) and published in the book titled Sources and Development of Mathematical Software, ed. W.R. Cowell, Prentice-Hall, 1984.

Both this article and the book seem well worth reading at greater length!

ALGORITHMS

Cowell, Wayne R. *Sources and Development of Mathematical Software*. Prentice-Hall Series in Computational Mathematics. Englewood Cliffs, N.J.: Prentice Hall, 1 April 1984. ISBN: 0138235015.