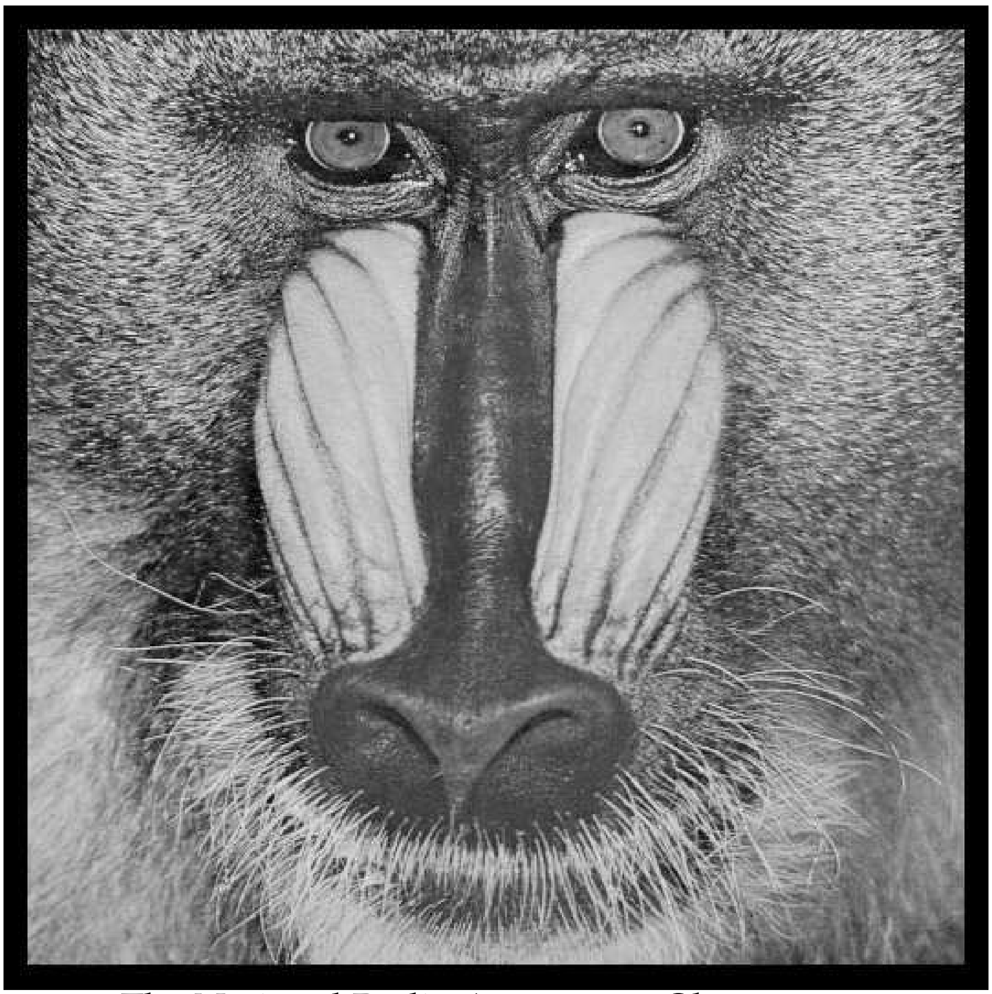
AIPS COOKBOOK

31-December-2024 and earlier



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Acknowledgments

The *CookBook* cover design is by Pat Smiley of the NRAO Graphic Arts Department. It is based on a design suggested by John Bally of Bell Labs.

The image on the title page was converted from the *AIPS* television-like display to Encapsulated PostScript by the *AIPS* task `TVCPS`. It was then included in this TeX document and plotted on a Hewlett Packard PostScript printer. It is the green portion of the digitized image of a Mandrill which has become a standard in the image-processing field. PostScript is a registered trademark of Adobe Systems Incorporated.

The plot in Chapter 4 was generated with `TVCPS` in a similar manner. The plots at the ends of Chapters 6, 7, 8, and 9 were generated by various *AIPS* plotting tasks with task `LWPLA` used to convert the device-independent plot files into PostScript. The data displayed in Chapters 6 and 7 were provided by Bill Cotton for use with the *AIPS* `VLAC` test suite and by Alan Bridle for use with the *AIPS* `DDT` test suite, while the data in Chapter 8 were provided by Don Wells for use in testing spectral-line software. The color plots in Chapter 6 are of data provided by Greg Taylor and by Eric Greisen, Kristine Spekkens, and Gustaaf van Moorsel. The editors thank these people for providing their data for our use.

This *CookBook* itself is based on an early users guide written by Alan Bridle. In 1983, it was typeset and edited by Eric Greisen using the TeX program, initially developed by Donald E. Knuth (*The TeXbook*, 1984, Addison-Wesley Publishing Company, Reading, Massachusetts). There were two editions of the *CookBook* in 1983, one in 1985, and one in 1986. The 1990 edition edition was edited by Bill Junor. For recent editions, Eric Greisen has resumed his rôle as editor, while numerous individuals have contributed to the text. In particular, Glen Langston, Andrea Cox, Lorant Sjouwerman, and Minnie Mao have submitted outline guides to VLA continuum, spectral-line, high-frequency, and low frequency data reduction which appear as Appendices A. B, D, and L, respectively. The output of TeX is now converted to PostScript by `dvips` (from Radical Eye Software). The editors are grateful to Knuth for this program and, especially, for his decision to place it in the public domain.

This *CookBook* is now available on the Internet via the World-Wide Web. The current Table of Contents together with a revision history for the full `31DEC14` *CookBook* is available at

`http://www.aips.nrao.edu/cook.html`.

You should review this Web page occasionally to see if chapters important to you have been altered and, if so, why. You may use your favorite Web browser to click on any chapter you wish to receive and the PostScript version will (eventually) appear on your workstation. Cross-linked html and pdf versions of the full *CookBook* are available from this web page as well. The html version is not shipped with *AIPS*, but the pdf version is shipped to all *AIPS* installations.

Contents

List of Figures

List of Recipes