

PACKAGE ID - 001286IB38600 LPA1,LPA2

KWIC TITLE - Deconvolution Program

AUTHORS - Ping-An, L.
Beijing Normal University, Beijing (China)

Jiang-Lai, Y.
Beijing Normal University, Beijing (China)

LIMITATION CODE -UNL **AUDIENCE CODE** - UNL

COMPLETION DATE - 01/01/1991 **PUBLICATION DATE** - 01/01/1991

DESCRIPTION - The program is suitable for a lot of applications in applied mathematics, experimental physics, signal analytical system and some engineering applications range i.e. deconvolution spectrum, signal analysis and system property analysis etc.

PACKAGE CONTENTS - Media Directory; Software Abstract; Readme (4 pages); Media Includes Readme Files, Abstract Documentation, Executables;

SOURCE CODE INCLUDED? - No

MEDIA QUANTITY - 1 CD Rom

METHOD OF SOLUTION - It makes use of the Deconvolution Theorem and FFT algorithm.

COMPUTER - IBM PC 386

OPERATING SYSTEMS - MSDOS, PCDOS, etc.

PROGRAMMING LANGUAGES - Turbo Pascal

SOFTWARE LIMITATIONS - The number of dealing with data once is designed not to be greater than 1024 in this program. If the definition of the data dimension will be changed, the number of dealing with once will change the greater. Furthermore, if this program may be compiled under the environments of the software which may be beyond to the restriction on 640K, the number of dealing with data may still rise the more greater than it, of course, the number may still be among which the computer's memory permit.

SOURCE CODE AVAILABLE (Y/N) - N

UNIQUE FEATURES - The dispersion and speed question of deconvolution is resolved basically.

RELATED SOFTWARE - This program needs support with the software of Turbo Pascal V5.0 or over and number cooperater 387.

PACKAGE ID - 001286IB38600 LPA1,LPA2

HARDWARE REQS - The computer is IBM PC 386, 486, or other compatible computer.

TIME REQUIREMENTS - The computing speed is about 3 times FFT'S speed. In other words, this program takes three FFT processes, the speed is very quick.

ABSTRACT STATUS - Released AS-IS 2/20/1999

SUBJECT CLASS CODE - P

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
L CODES
MATHEMATICS
PHYSICS

EDB SUBJECT CATEGORIES -
990200 661200

SPONSOR - NEA

PACKAGE TYPE - AS - IS