NA Digest Monday, November 18, 1991 Volume 91 : Issue 46

Today's Editor: Cleve Moler

Today's Topics:

Submissions for NA Digest:

Mail to na.digest@na-net.ornl.gov.

Information about NA-NET:

Mail to na.help@na-net.ornl.gov.

From: Pierre Comon <Pierre.Comon@sophia.inria.fr>
Date: Wed, 13 Nov 91 17:31:13 +0100
Subject: Solving Polynomial Systems

Are there standard routines for solving systems of polynomial equations
with several unknowns ? Unknowns can be real, complex, or even rational.

Pierre Comon comon@zenon.inria.fr, or, na.comon@na-net.ornl.gov

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From: Kris Stewart <stewart%saturn@sdsu.edu>
Date: Sat, 16 Nov 91 10:03:26 -0800
Subject: SDSU Undergrad Curriculum in Supercomputing

An interdisciplinary, undergraduate course has been
developed at San Diego State University (SDSU) to teach
the fundamentals of architecture and software tools that
promote effective use of the Cray Y-MP 8/864 Supercomputer
at the San Diego Supercomputer Center (SDSC). This work
was supported by the NSF Division of Advanced Scientific
Computing. The only prerequisite for the course is a good

programming background in Fortran or C.

A residential, faculty workshop will be presented July 13-17, 1992 at SDSC (on the campus of UCSD La Jolla) to provide access to the Cray and promote discussions on undergraduate curricula in Advanced Scientific Computing. Faculty from primarily undergraduate institutions are encouraged to contact:

Dr. Kris Stewart
Dept. Math Sciences
SDSU
San Diego, CA 92182-0314
(stewart@cs.sdsu.edu)

If you will be at Supercomputing '91 in Albuquerque next week, drop bythe SDSC booth for more information or to talk to Kris on Thursday.

Lecture notes from the course taught Spring 1991 at SDSU are available via anonymous ftp from sdsc.edu in the directory undergradcurriculum_lecture_notes under sdscpub

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From: Pieter de Groen <pieter%tena2.vub.ac.be@VTVM2.CC.VT.EDU>
Date: Tue, 12 Nov 91 10:35:41 +0100
Subject: IMACS Proceedings on Iterative Methods in Linear Algebra

The proceedings of the IMACS International Symposium on Iterative Methods in Linear Algebra held in Brussels, April 2-4, 1991 are now in print at Elsevier Science Publ. This volume contains the (refereed) contributions to the Symposium.

The symposium gathered more than 100 participants from over 25 countries. There were 7 invited lectures (by O. Axelsson, F. Chatelin, D. Kincaid, A. van der Sluis, H.A. van der Vorst, E.L. Wachspress and A.Yu. Yeremin) and nearly 70 accepted contributed papers providing an almost exhaustive covering of the subject, comprising among others, parallel and vector iterative algorithms, methods for solving nonsymmetric problems, preconditioned conjugate gradient methods for symmetric problems, spectral methods, numerical methods fo the analysis of Markov models, complex variable methods.

The volume will be published in February 1992 under the title "Iterative Methods in Linear Algebra",
edited by R. Beauwens and P.P.N. de Groen
at a list price of Dfl. 250.- . The participants of the symposium will receive a free copy directly from the publisher. Those that are interested and who order this volume before February 1st, 1992, are entitled to a 25% discount off the list price (Dfl. 187.50) including postage/handling. Orders are to be send to