

November 21, 1984

ACH SHORT CONSULTATIONS - FY84

YOUR REF.	NAME	DIVISION	A.D.	DESCRIPTION--(Please begin with a past verb, e.g. consulted, assisted, developed, wrote, col-laborated, discussed, documented.)
ach	<u>P. Gresho</u>	G-Div		Advised on general linear algebra and ODE matters.
ach	<u>R. Ward</u>	A-Div		Checked complaint of MSLAR failure to fetch.
ach	<u>D. Wuebbles</u>	G-Div		Provided advice and software for 2-D kinetics transport problems.
ach	<u>A. Shapiro</u>	ME/NEED		Advised on routines for full symmetric linear systems.
ach	<u>M. Rotter</u>	EE/FTSD		Provided SPTSL for tridiagonal linear systems.
ach	<u>R. Hyde</u>	O-Div		Discussed software for sparse linear systems in DP.
ach	<u>T. Suyehiro</u>	MSD		Gave feedback on new LIP routine.
ach	<u>E. Kansa</u>	Y-Div		Discussed approaches 2-D LIS problems.
ach	<u>R. Cooper</u>	Budg Off		Provided LEQIF and SGEFA/SL and discussed methods and use.
ach	<u>G. Duckworth</u>	SD		Provided PWSCYL for 2-D potential problem.
ach	<u>A. Shestakov</u>	MFEC		Discussed MSD activities and PDE approaches.
ach	<u>N. Madsen</u>	EE		Helped locate trouble in LSODE error return.
ach	<u>J. Pastrnak</u>	ME/NTE		Advised on LSODE use, and provided SAXPY.
ach	<u>S. Bloom</u>	E-Div		Gave DEC/SOL and SGEFA/SGESL.
ach	<u>N. Alexander</u>	NSSD		Advised on writing a tape to go to NESC.
ach	<u>W. Lai</u>	ME/NTE		Advised on methods for a pair of parabolic PDEs.
ach	<u>A. Kaufman</u>	EE/ERD		Advised on use/reuse of LSODE.
ach	<u>R. Harding</u>	A-Div		Advised on error issues in a rad. chem. code.
ach	<u>D. Bergmann</u>	SSD		Advised on use of LSODE.
ach	<u>W. Masson</u>	DO		Gave feedback on memo on DGE software order.

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ach	<u>J. Kinney</u>	C.M.S.		Provided EPISODE, LSODE, PDECOL
ach	<u>N. Madsen</u>	ERD		Advised and explained methods for oscillatory ODE's.
ach	<u>B. Durham</u>	Ear Sci		Provided PDEPACK for solving problem for 1-D PDE.
ach	<u>P. Gresho</u>	G-Div		Helped in revised joint paper.
ach	<u>C. Short</u>	MSD		Helped write LIP tree.
ach	<u>A. Kaufman</u>	ERD		Advised on problem setup and interpretation of results for LSODAR.
ach	<u>D. Kershaw</u>	X-Div		Advised in solution approach to a Lorentzian path problem.
ach	<u>G. Cook</u>	Nucl Des Dept		Advised on general ODE methods and provided literature.
ach	<u>R. Serbin</u>	Comp/ASD		Helped convert LSODE for use on IPM PC.
ach	<u>A. Shestakov</u>	MFEC		Told him to get a complex version of BT and BTMS.
ach	<u>E. Williams</u>	X-Div		Provided CGBFA/CGBSL.
ach	<u>R. Cooper</u>	Budget Off		Advised on temperature diffusion equation solution.
ach	<u>R. Melendez</u>	App SD		Advised on converting BT and BTMS to use variable leading dimensions.
ach	<u>J. Kinney</u>	Ch & MS		Referred to PDECOL for temperature diffusion equation.
ach	<u>R. Tarp & D. Wuebbles</u>	G-Div		Helped locate bugs in use of old GEARBI, and provided new GEARBI.
ach	<u>N. Madsen</u>	ERD		Answered query about disk band matrix solver on CRAY (AG).
ach	<u>C. Herget</u>	ERD		Advised on linear ODE's.
ach	<u>A. Kaufman</u>	ERD		Advised on evaluating a repeated convolution.
ach	<u>T. Stullich</u>	USD		Helped locate crash from MATHLIB EXP overflow.

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ach	<u>A. Goldberg</u>	T-Div		Gave LSODE for a wave equation problem.
ach	<u>J. Vattuone</u>	Biomed.		Gave LSODE (D.P.) for use on a DEC-10.
ach	<u>J. Viecelli</u>	T-Div		Gave SGEFA/SGESL and DECBBT on 7600.
ach	<u>M. Seager</u>	MSD		Advised on ODE solvers for Math. Stat. Bulletin Bo.
ach	<u>P. Dubois</u>	MSD		Advised on ODE issues in MFE problems.
ach	<u>R. Cena</u>	Ch & MS		Provided D.P. ODEPACK for use on HP-1000.
ach	<u>A. Goldberg</u>	T-Div		Helped with use of LSODE.
ach	<u>B. Sharp</u>	M-Div		Provided LSODE and ODE for particle tracking problems.
ach	<u>J. Engle</u>	USD		Provided case of crash caused by CIVIC.
ach	<u>D. Maiden</u>	T-Div		Provided BT package and report.
ach	<u>S-w. Kang</u>	Ear Sci		Advised on approaches to 2-D Navier-Stokes problems.
ach	<u>I. Puigdomenech</u>	Ear Sci		Provided LSODE user doc. and ODEPACK reprint.
ach	<u>P. Weidhaas</u>	SSD		Provided GEARBI report and info. on new version.
ach	<u>B. Failor</u>	Nucl Chem		Provided info. and documentation on GEARB and LSODE.
ach	<u>P.F.D.</u>	MFE		Advised on use of LSODE.
ach	<u>M. Axelrod</u>	EE/FTSD		Helped interpret output of COVARV (MATHLIB).
ach	<u>D. Wuebbles & R. Tarp</u>	G-Div		Advised on use of LSODP and provided new version.

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ach	<u>F. Barnes</u>	ERD		Provided documentation for LSODE and advised on use of VAX.
ach	<u>B. Wilson</u>	H-Div		Told how to get SLATEC routines on 7600.
ach	<u>J. Peterson</u>	ERD		Advised on resolution of duplication of RIMACH versions.
ach	<u>D. Hewett</u>	X-Div		Provided reports on BT and band solvers.
ach	<u>J. Burke</u>	ERD		Advised on use of ZXMIN, and other routines avail. for minimization.
ach	<u>J. Leone</u>	G-Div		Helped find bug in use of RGG (user's call sequence).
ach	<u>D. Rodriguez</u>	G-Div		Provided RGG (for $Ax=\lambda Bx$) for use on VAX.
ach	<u>D. Wapman</u>	ME/WE		Advised on use of LSODE and LSODA, and provided access.
ach	<u>E. Williams</u>	X-Div		Advised on solving for zeros of a complex analytic function.
ach	<u>D. Bernard</u>	A-Div		Provided BLU/BSOL and report, and advised on other band solvers.
ach	<u>M. Gilmore</u>	M-Div		Advised on approaches to a differential-algebraic system.
ach	<u>J. Penner</u>	T-Div		Advised on approaches to atmospheric models with operator splitting.
ach	<u>C. Thorsness & S-w. Kang</u>	Ear Sci		Provided LSODP and advised on LSODE, LSODI.
ach	<u>D. Anderson</u>	MFECC		Advised on use of LSODE.
ach	<u>J. Penner</u>	T-Div		Advised on control of small components in LSODE.
ach	<u>R. Serbin</u>	ASD		Advised on distribution of PC version of LSODE.

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ach	<u>N. Sherman</u>	Ear Sci		Helped solve complex variable problem.
ach	<u>F. Wooten</u>	DAS		Provided info. and doc. on LSODE and ODEPACK.
ach	<u>M.K.S.</u>	MSD		Advised on testing imported ODE solver MRATE.
ach	<u>A. Cole</u>	ASD		Advised on solving a singular BVP.
ach	<u>L. Cook</u>	ASD		Advised on LSODE for coal gasification problems.
ach	<u>D. Benson</u>	NEED		Advised on solving an ODE system in structure analysis.
ach	<u>R. Dickinson</u>	MSD Com.		Helped study polynomial root questions.
ach	<u>Y. Chang</u>			Advised on elliptic integral routines. Referred to RLP.
ach	<u>Y. Lee</u>	Y-Div		Advised on ODE solvers; provided LSODE.
ach	<u>A. Kaufman</u>	ERD		Advised on reversal of an ODE IVP.
ach	<u>J. Nash</u>	H-Div		Helped with NAG document on E04UAF.
ach	<u>J. Denavit</u>	X-Div		Provided MATHLIB manual and LSODE.
ach	<u>D. Tilly</u>	ERD		Provided SEECO/DGECO for use on a VAX.
ach	<u>B. Afeyan</u>	X-Div		Advised on ODE eigenvalue problem.
ach	<u>R. Shen</u>	Y-Div		Provide LSODI and documentation.
ach	<u>D. Benson</u>	NEED		Advised on high accuracy solution of ODE problems.
ach	<u>Y. Lee</u>	Y-Div		Provided DVERK (IMSL).
ach				Advised on LSODE for complex ODE problems.
ach	<u>J. Barbieri</u>	HC (Cons)		Advised on putting LSODE on a VAX.
ach	<u>M.R.D.</u>	MSD		Discussed mixed implicit/explicit methods for PDE.

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ach	<u>R. Sani</u>	G-Div (Cons)		Advised on use of BT.
ach	<u>P. Weidhaas</u>	G-Div		Advised on use of LSODE.
ach	<u>S. Davis</u>	Ch & MS Summer		Helped set up for using PDECOL.
ach	<u>D. Benson</u>	ME/NEED		Advised on ODE methods generally.
ach	<u>R. Braun</u>	Ch & MS		Advised on algorithm for a colliding particle problem.
ach	<u>N. Madsen</u>	EE/ERD		Advised on possible error in use of LSODE and LSODI.
ach	<u>M. Vuong-Van</u>			Helped find error in use of RCFFT2.
ach	<u>G. Bergantz</u>	ME (Summer)		Advised on BVP solvers; provided SUPORT.
ach	<u>R.P.D.</u>	MSD		Helped with matrix problem.
ach	<u>F.N.F.</u>	MSD		Helped with geometry problem.
ach	<u>D. Kershaw</u>	CP		Provided leads to graph analysis software.
ach	<u>D. Wuebbles</u>	G-Div		Commented on a paper about multiple steady states.