

B1 - Programul „CURGERE IZOTERMĂ ÎN FOCAR AXIAL SIMETRIC”

DOS FORTRAN IV 360N-FO-479 3-5

OPTIONS IN EFFECT

LOAD =4  
DECK NO  
LIST YES  
LISTX NO  
EBCDIC

BIBLIOTECA CENTRALĂ  
UNIVERSITATEA  
"POLITEHNICA" TIMIȘOARA

485.940/1

351 C



SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
I	FO	JL	F4	K	F8	J	FC
N	104	NYK	108	JLM	10C	NX	110
SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
DX	114	VCX	118	IN	1EC	KN	1E4
SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	1EC						
SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
420	1F0	334	26F				

SCALAR MAP  
 ARRAY MAP  
 SUBPROGRAMS CALLED  
 FORMAT STATEMENT MAP

LOCATION	STA NUM	LAEL	STATEMENT LABEL	MAP LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
0003AC	1			0003AC	3		0003B4	4	1
0003BC	5			0003C4	6		0003CC	7	8
000412	8			000418	9	3	000430	10	
000450	11			00045C	12		000462	13	4
000472	14			00047E	15		000484	16	5
000494	17	9		0004AG	18		0004A6	19	11
0004B2	20			000500	21		00051C	22	
00051C	23			000522	24	7	00053E	27	6

TOTAL MEMORY REQUIREMENTS 000540 BYTES

HIGHEST SEVERITY LEVEL OF ERRORS FOR THIS MODULE WAS 0

```

0001 SUBROUTINE DERIV1(IN,KN,NN,N,ING,KNG,NNG,NGR,FI,X,Y,NX,NY,NI,
      2DFX,DFY)
      ** SUBROUTINA PENTRU CALCULUL DERIVATEI 1 IN X SI R INTR-UN DOMENIU
      PCLIGONAL CU LATURI PARALELE CU AXELE X SI R
      IN VECTGR DE DIMENSIUNE N IN EL SINT DATE VALORILE INDEXULUI I (PE AXA X)
      AL UNEI REȚELE DREPTUNGIULARE PE DOMENIUL CONSIDERAT
      KN VECTGR DE DIMENSIUNE N IN EL SINT DATE VALORILE INDEXULUI K (PE AXA R)
      AL UNEI REȚELE DREPTUNGIULARE PE DOMENIUL CONSIDERAT
      NN- VECTGR DE DIMENSIUNE N IN EL ESTE INSCRIS NR. DE ORDINE AL PCT.
      DIN REȚEA (I,J)
      N - NUMARUL PUNCTELOR DIN DOMENIU
      KNG VECTGR DIMENSIUNE NGR CUPRINDE INDEXUL K AL PUNCTELOR DE GRANITA
      ING VECTGR DIMENSIUNE NGR CUPRINDE INDEXUL I AL PUNCTELOR DE GRANITA
      NNG VECTGR DIMENSIUNE NGR NUMARUL DE ORDINE AL PUNCTELOR DE GRANITA
      NGR - NUMARUL PUNCTELOR DE GRANITA A DOMENIULUI
      FI - VECTGR DE DIMENSIUNE N-FUNCTIA A CAREIA I SE CAUTA DERIVATA IN DOMENIU
      X VECTGR DE DIMENSIUNE NX - VALOAREA COORDONATEI X PENTRU PUNCTELE REȚELEI I
      Y VECTGR DE DIMENSIUNE NY - VALOAREA COORDONATEI R PENTRU PUNCTELE REȚELEI I
      NY - NUMARUL PUNCTELOR PE REȚEA X-I
      NI - NUMARUL PUNCTELOR PE REȚEA R-K
      N1 - NUMARUL DE ORDINE AL PUNCTULUI PENTRU CARE SE CALCULEAZA DERIVATELE
      DE ORDINUL I
      DERIVATA FI/DR
      DERIVATA FFX/DFX
      DERIVATA FFY/DFY
      FORMULA GENERALA DF/DX = (( X1**2-X3**2)*FIZ + X3**2*F11-X1**2*F13)/X1/X3/
      ((1)*X1+X3)
      X1 = X(I+1,K)-X(I,K)/
      DF/DR = ((X2**2-X4**2)*F12-X2**2*F14)/X2/X4/((1)*X2+X4)
      DIMENSIUN IN(1) = KN(1), NN(1), ING(1), KNG(1), NNG(1), FI(1), X(1), Y(1)
      DIMENSIUN NX(1) = NV(1)
      DFYZ(X1,X3,FIZ,F11,F13) = ((X1**2-X3**2)*FIZ + X3**2*F11 - X1**2*
      2F13)/X1/X3/(X1 + X3)
      DFYZ(X2,X4,FIZ,F12,F14) = ((X2**2-X4**2)*FIZ + X4**2*F12 - X2**2*
      2F14)/X2/X4/(X2+X4)
      DFY1(X2,X10,FIZ,F12,F110) = ((X2**2-X10**2)*FIZ + X10**2*F12 - X2**2*
      2F110)/X2/X10/(X10-X2)
      DFY1(X1,X9,FIZ,F11,F19) = ((X1**2-X9**2)*FIZ + X9**2*F11 - X1**2*F19)
      2/X1/X9/(X9-X1)
      DFY2(X4,X12,FIZ,F14,F112) = ((X4**2-X12**2)*FIZ + X12**2*F14 - X4**2*
      2F112)/X4/X12/(X12-X4)
      DFY2(X3,X11,FIZ,F13,F111) = ((X3**2-X11**2)*FIZ + X11**2*F13 - X3**2*
      2F111)/X3/X11/(X11-X3)
      MP=2
      MP=3
      IF(N1-N) 2,2,1
      FIZ = FI(N1)
      IZ = IN(N1)
      KZ = KN(N1)
      JF(ING(J),EQ,IZ,AND,KNG(J),EQ,KZ) GO TO 181
      JF(J-NGF) 4,5,4
      J=J+1
      GO TO 3
      J=1
      IF(IN(J),EQ,(IZ+1),AND,KN(J),EQ,KZ) GO TO 10
      IF(IN(J),EQ,IZ,AND,KN(J),EQ,(KZ+1)) GO TO 11
      IF(IN(J),EQ,(IZ-1),AND,KN(J),EQ,KZ) GO TO 12
      IF(IN(J),EQ,IZ,AND,KN(J),EQ,(KZ-1)) GO TO 14
      IF(J-N) 16,17,16
      J=J+1
      GO TO 6
      N11 = NK(J)
      F11 = FI(N11)
      I1 = IZ+1
      K1 = KZ
      GO TO 7
      N22 = NK(J)
      F12 = FI(N22)
      I2 = IZ
      K2 = KZ+1
      GO TO 8
      N33 = NK(J)
      F13 = FI(N33)
      I3 = IZ-1
      K3 = KZ
      GO TO 9
      N44 = NK(J)
      F14 = FI(N44)
      I4 = IZ
      K4 = KZ 1
      GO TO 15
0010
0011
0012
0013
0014
0015
0016
0017
0018
0019
0020
0021
0022
0023
0024
0025
0026
0027
0028
0029
0030
0031
0032
0033
0034
0035
0036
0037
0038
0039
0040
0041
0042
0043
0044
0045
0046
0047
0048

```

```

0049          X1 = X(I1) - X(I2)
0050          X2 = Y(K2) - Y(KZ)
0051          X3 = X(I2) - X(I3)
0052          X4 = Y(KZ) - Y(K4)
0053          DFX = DFYZ(X1,X3,FIZ,F11,F13)
0054          DFY = DFYZ(X2,X4,FIZ,F12,F14)
0055          GO TO 13
0056          1 WRITE(MP,30)
0057          30 FORMAT(' *****PUNCT IN AFARA DOMENIULUI*****')
0058          GO TO 13
C
C PARAGRAF AB
C PARAGRAF AB PUNCT COMUN IN DOMENIU
C
17          X1 = X(I1) - X(I2)
           X2 = Y(K2) - Y(KZ)
           X3 = X(I2) - X(I3)
           X4 = Y(KZ) - Y(K4)
C
C DFX = DFYZ(X1,X3,FIZ,F11,F13)
C DFY = DFYZ(X2,X4,FIZ,F12,F14)
C
C GO TO 13
C 1 WRITE(MP,30)
C 30 FORMAT(' *****PUNCT IN AFARA DOMENIULUI*****')
C GO TO 13
C PUNCTUL PZ APARTINE GRANITEI DOMENIULUI DERIVATA DUPA RELATII SPECIALE
C
181         J1=0
           J2=0
           J3=0
           J4=0
           J=1
           I1=I2+1
           K1 = KZ
           I2 = IZ
           K2 = KZ+1
           I3 = IZ-1
           K3 = KZ
           I4 = IZ
           K4 = KZ-1
           IF(IN(J).EQ.1.AND.KN(J).EQ.K1) GC TO 25
           IF(IN(J).EQ.12.AND.KN(J).EQ.K2) GC TO 26
           IF(IN(J).EQ.13.AND.KN(J).EQ.K3) GC TO 27
           IF(IN(J).EQ.14.AND.KN(J).EQ.K4) GC TO 28
           IF(J-N) 23,24,23
           J = J+1
           GO TO 18
           J1=1
           N11 = KN(J)
           F11 = FI(N11)
           GO TO 15
           J2=1
           N22 = KN(J)
           F12 = FI(N22)
           GO TO 20
           J3 = 1
           N33 = KN(J)
           F13 = FI(N33)
           GO TO 21
           J4 = 1
           N44 = KN(J)
           F14 = FI(N44)
           GO TO 22
C
C PARAGRAF EG
24          IF(J1.EQ.1.AND.J2.EQ.1.AND.J3.EQ.1.AND.J4.EQ.1) GC TO 17
           IF(J1.EQ.1.AND.J2.EQ.1.AND.J3.EQ.1.AND.J4.EQ.0) GC TO 40
           IF(J1.EQ.1.AND.J2.EQ.1.AND.J3.EQ.0.AND.J4.EQ.1) GC TO 50
           IF(J1.EQ.1.AND.J2.EQ.0.AND.J3.EQ.1.AND.J4.EQ.1) GC TO 60
           IF(J1.EQ.1.AND.J2.EQ.0.AND.J3.EQ.0.AND.J4.EQ.1) GC TO 70
C
C PARAGRAF FF
           IF(J1.EQ.1.AND.J2.EQ.0.AND.J3.EQ.0.AND.J4.EQ.1) GC TO 80
           IF(J1.EQ.0.AND.J2.EQ.1.AND.J3.EQ.1.AND.J4.EQ.1) GC TO 90
           IF(J1.EQ.0.AND.J2.EQ.1.AND.J3.EQ.0.AND.J4.EQ.0) GC TO 100
C
C PARAGRAF XX
C
           IF(J1.EQ.0.AND.J2.EQ.0.AND.J3.EQ.1.AND.J4.EQ.1) GC TO 110
           WRITE(MP,1010) J1,J2,J3,J4
           1010 FORMAT(' ',J1,' ',J2,' ',J3,' ',J4,' ',J3,' ',J4,' ',J4,' ',J4)
           GO TO 13
           J1 = 17-2
           K11 = KZ
           J12 = IZ
           K12 = KZ-2
           IF(IN(J).EQ.111.AND.KN(J).EQ.K11) GO TO 115
           IF(IN(J).EQ.112.AND.KN(J).EQ.K12) GO TO 116
           IF(J.EC.N) GO TO 114
0103
0104
0105
0106
0107
0108
0109
0110
0111
0112
0113
0114

```

```

0115      J = J+1
0116      GO TO 111
C
0117      X3 = X(I2) - X(I3)
0118      X4 = Y(K2) - Y(K4)
0119      X11 = X(I2) - X(I11)
0120      X12 = Y(K2) - Y(K12)
C
0121      DFX = DFY2(X3,X11,FIZ,F13,F111)
0122      DFY = DFY2(X4,X12,F14,F112,F12)
0123      GO TO 13
0124      N11 = NN(J)
0125      F111 = FI(N11)
0126      GO TO 112
0127      N12 = NN(J)
0128      F112 = FI(N12)
0129      GO TO 113
0130      J = 1
0131      I10 = IZ
0132      K10 = KZ+2
0133      41 IF(IN(J).EQ.110.AND.KN(J).EQ.K10) GO TO 44
0134      IF(J.N) 42,43,42
0135      J = J+1
0136      GO TO 41
0137      43 WRITE(MP,1000) I10
0138      FORMAT('...',I10=',' ,17)
0139      GO TO 13
C
0140      GRANITA JOS AXA SIMETRIE
C
0141      44 N10 = NN(J)
0142      F110 = FI(N10)
0143      X1 = X(I1) - X(I12)
0144      X2 = X(I2) - X(I13)
0145      X3 = Y(K2) - Y(KZ)
0146      X10 = Y(K10) - Y(KZ)
0147      DFX = DFYZ(X1,X3,F12,F11,F13)
0148      DFY = DFY1(X2,X10,F12,F110)
0149      GO TO 13
0150      J = 1
0151      I9 = IZ+2
0152      K9 = KZ
0153      51 IF(IN(J).EQ.19.AND.KN(J).EQ.K9) GO TO 54
0154      IF(J.N) 52,53,52
0155      J = J+1
0156      GO TO 51
0157      53 WRITE(MP,1001) I9
0158      FORMAT('...',I9=',' ,16)
0159      GO TO 13
C
0159      GRANITA STINGA
C
0160      54 N9 = NN(J)
0161      F19 = FI(N9)
0162      X1 = X(I1) - X(I12)
0163      X2 = Y(K2) - Y(KZ)
0164      X4 = Y(KZ) - Y(K4)
0165      X9 = X(I9) - X(I12)
C
0166      DFX = DFX1(X1,X9,F12,F11,F19)
0167      DFY = DFYZ(X2,X4,F12,F12,F14)
0168      GO TO 13
0169      J = 1
0170      I9 = IZ+2
0171      K9 = KZ
0172      I10 = IZ
0173      K10 = KZ+2
0174      61 IF(IN(J).EQ.19.AND.KN(J).EQ.K9) GO TO 65
0175      IF(IN(J).EQ.110.AND.KN(J).EQ.K10) GO TO 66
0176      IF(J.EC.N) GO TO 64
0177      J = J+1
0178      GO TO 61
C
0178      GRANITA JOS
0179      X1 = X(I1) - X(I12)
0180      X9 = X(I9) - X(I12)
0181      X2 = Y(K2) - Y(KZ)
0181      X10 = Y(K10) - Y(KZ)

```

```

0182      C
0183      DFX=DFX1(X1,X9,FIZ,F11,F19)
0184      DFY = CFY1(X2,X10,FIZ,F12,F110)
0185      GO TO 13
0186      F19 = FN(J)
0187      GO TO 62
0188      F10 = NN(J)
0189      F110 = FI(N10)
0190      GO TO 63
0191      J=1
0192      K12 = K2-2
0193      I12 = I2
0194      IF(IN(J).EQ.I12.AND.KN(J).EQ.K12) GO TO 74
0195      IF(J.EC.N) GO TO 73
0196      J = J+1
0197      GO TO 71
0198      73 WRITE(MP,1070) I12
0199      1070 FORMAT(' ',P12='E12.4)
0200      GO TO 13
0201      C GRANITA SUPERIORARA
0202      74 N12 = NN(J)
0203      F112 = FI(N12)
0204      X1 = X(I1)-X(I2)
0205      X4 = Y(K2) -Y(K4)
0206      X12 = Y(K2)-Y(K12)

0207      C
0208      DFX =CFX2(X1,X3,FIZ,F11,F13)
0209      DFY =CFY2(X4,X12,F14,F112,F1Z)
0210      GO TO 12
0211      J=1
0212      I9 = I2+2
0213      K9 = K2
0214      I12=I2
0215      K12 = K2-2
0216      IF(IN(J).EQ.I9.AND.KN(J).EQ.K9) GC TO 84
0217      IF(IN(J).EQ.I12.AND.KN(J).EQ.K12) GO TO 85
0218      IF(J.EC.N) GO TO 86
0219      J = J + 1
0220      GO TO 81
0221      84 N9 = NN(J)
0222      F19 = FI(N9)
0223      GO TO 82
0224      N12 = NN(J)
0225      F112 = FI(N12)
0226      GO TO 83
0227      C COLT STINGA JOS
0228      86 X1 = X(I1)-X(I2)
0229      X4 = Y(K2) -Y(K4)
0230      X9 = X(I9) -X(I2)
0231      X12 = Y(K2) - Y(K12)

0232      C
0233      DFX=DFX1(X1,X9,FIZ,F11,F19)
0234      DFY =CFY2(X4,X12,F14,F112,F1Z)
0235      GO TO 13
0236      J=1
0237      I11 = I2-2
0238      K11 = K2
0239      IF(IN(J).EQ.I11.AND.KN(J).EQ.K11) GO TO 92
0240      J = J+1
0241      GO TO 91
0242      C GRANITA DREAPTA
0243      92 N11 = NN(J)
0244      F111 = FI(N11)
0245      X2 = Y(K2)-Y(KZ)
0246      X3 = X(I2) -X(I3)
0247      X4 = Y(K2) -Y(K4)
0248      X11 = X(I2) -X(I11)

0249      C
0250      DFX=DFX2(X3,X11,FIZ,F13,F111)
0251      DFY =CFY2(X2,X4,FIZ,F12,F14)
0252      GO TC 13
0253      100 J=1
0254      I10 = I2
0255      K10 = K2+2
0256      I11 = I2 -2
0257      K11 = K2
0258      IF(IN(J).EQ.I10.AND.KN(J).EQ.K10) GC TO 104

```



```

DOS FORTRAN IV 360N-FO-479 3-5          DERIV1          DATE 17/02/84          TIME 18.07.50          PAGE 0005
0254 102 IF(IN(J).EQ.FI1.AND.KN(J).EQ.KI1) GO TO 105
0255 103 IF(J.EQ.N) GO TO 106
0256      J = J + 1
0257      GO TO 101
0258 104 N10 = NN(J)
0259      FI10 = FI(N10)
0260      GO TO 102
0261 105 N11 = NN(J)
0262      FI11 = FI(N11)
0263      GO TO 103
          COLT DREAPTA JOS
0264 106 X2 = Y(K2) - Y(KZ)
0265      X3 = X(I2) - X(I3)
0266      X10 = Y(K10) - Y(KZ)
0267      X11 = X(I2) - X(I11)
          C
0268      DFY=DFX2(X3,X11,FIZ,F13,F111)
0269      DFY = CFY1(X2,X10,FIZ,F12,F110)
0270      RETURN
0271      END

```

.....

3



LOCATION	STA NUM	LAEL	STATEMENT	LABEL	MAP	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
0007F8	1				0007F8	4			0008AC	5	
000960	6				000A14	7			000AC8	8	
00087C	9				000C30	10			000C38	9	
000C40	12				000C50	13	2		000C58	11	
000C80	15				000C8C	16			000C94	14	
000CDA	18				000CEA	19	4		000CF6	17	
000D98	21	5			000DD4	22	6		000D4E	20	
000E3C	24	8			000DE2	25	9		000E2C	23	
000E66	27	16			000E48	26			000E4E	26	
000E92	30				000E7E	31			000E8A	29	
000EE8	33				000E98	34	11		000EB8	32	
000F1E	36				000EDA	37			000EDC	35	
000F44	39				000F26	40			000F12	38	
000F70	42				000F5C	43			000F2C	41	
000FC6	45				000F76	46	17		000F64	44	
001020	48				000FEA	49			000F9E	50	
001050	51				001032	52	181		00100E	53	1
001066	54				001056	55			001038	56	
00107E	58				00106E	59			001076	60	
00109A	61				00108A	62			001092	63	
0010BA	64				0010A6	65			0010B2	65	
001114	67				0010C2	68			0010CE	69	
0011E6	70				00115A	71			0011A0	72	18
001208	73	15			0011F6	74	20		001202	75	21
001240	76	22			001210	77	23		001228	78	
001266	79	25			001246	80			00124E	81	
00128C	82				00127E	83	26		001284	84	
0012C2	85				0012A4	86			0012BC	87	27
0012FA	88	28			0012CA	89			0012E2	90	
0013EC	91				001300	92			00135E	93	
0014D6	94				00141A	95	24		00147E	96	
0015F0	97				001534	98			001592	99	
00168A	100				00164E	101			001684	102	
001700	103	110			001692	104			00169E	106	
001760	107				001746	108			001754	109	
001786	110	112			001766	111			00178E	112	111
001810	113				0017DA	114	113		0017FE	118	
001840	116				001822	117	114		001828	121	
001876	119				00185E	120			001894	124	115
00189C	122				00188E	123			00189C	127	116
001918	125				0018A4	126			001912	130	40
001956	128				001906	129	42		00193E	133	41
0019AE	131	43			001938	132			00199E	136	
001A00	134				0019D6	135			001A18	140	44
001A20	137				001A12	142			001A34	143	
001A7A	141				001ABC	145			001A96	146	
001A9C	144				001AF2	148			001AC2	149	50
001ADA	147				001BSA	151	52		001B7E	152	51
001BA2	150				001BA2	154			001BC4	155	54
001B90	153				001BB2	158			001C7E	159	
001B80	156				001BB8	161			001C7C	162	60
001BCC	163				001C72	164			001D16	169	
001C64	166				001C72	167			001D7C	171	62
001C84	169				001D04	170	61		001D7C	174	
001CEC	172	63			001D2E	173			001E1C	177	
001D28	175				001D64	176			001E5A	180	
001D5E	178	64			001D9A	179	65		001F04	182	
001D94	181				001E16	182	66		001F24	186	
001E0A	184				001E9A	185	70		001F40	189	
001E3C	187				001EF2	188	71		001FD8	192	
001E72	190				001F1C	191	74		001FE8	195	72
001F16	193				001F38	194			00202E	198	73
001F30	196				001F92	197			002064	199	
001F4C	200	81			001FF2	201	80		0020DE	202	
001FE6	203				002028	204	82		002120	205	
002010	206				002084	207			002134	208	
002046	209				00210E	210			002194	211	
00208C	212				002182	213			0021CA	214	
002126	215				00221A	216					
002142	218	91				219					
00219A	221	92				222					
0021F2	224					225					
	227					226					
	230					228					
	233					231					
	236					234					
	239					237					
	242					240					



DOS FORTRAN IV 360N-FO-479 3-5 RAZA DATE 17/02/84 TIME 18.14.05 PAGE 0001  
0001 SUBROUTINE RAZA(Y,KN,N,R)  
0002 DIMENSION R(900),V(900),KN(900)  
0003 DO 10 I=1,N  
0004 J=KN(I)  
0005 R(I)=V(J)  
0006 RETURN  
0007 END

SYMBOL	LOCATION	SYMBOL	SCALAR MAP	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
I	94	N		98	J	9C						

SYMBOL	LOCATION	SYMBOL	ARRAY MAP	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
R	A0	Y		A4	KN	A8						

LOCATION	STA NUM	LAEL	STATEMENT LABEL MAP	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
000154	1			000154	3				
000174	5			0001A6	6				
TOTAL	MEMORY REQUIREMENTS	0001B0	BYTES				00016C	4	

HIGHEST SEVERITY LEVEL OF ERRORS FOR THIS MODULE WAS

```

0001 SUBROUTINE SURSEC(R,N,X,CDE,RQ,ETAEF)
0002 DIMENSION R(900),X(900),ETAEF(900)
0003 DIMENSION A(900),B(900),C(900)
0004 COMMON /BLDCC/ A,B,C
0005 READ(4,K)X
0006 K=3
0007 FIND(4,K)
0008 DO 15 I=1,N
0009 IF(X(I)) 14,14,15
0010 GO TO 16
0011 A(I)=C
0012 GO TO 16
0013 A(I)=CDE*SQRT(X(I))
0014 CONTINUE
0015 READ(4,K)X
0016 K=2
0017 FIND(4,K)
0018 DO 20 I=1,N
0019 C(I)=2.0*X(I)**2
0020 B(I)=X(I)
0021 READ(4,K)X
0022 K=8
0023 FIND(4,K)
0024 DO 22 I=1,N
0025 B(I)=F(I)+X(I)
0026 C(I)=C(I)+2.0*X(I)**2
0027 READ(4,K)X
0028 K=19
0029 FIND(4,K)
0030 DO 26 I=1,N
0031 IF(R(I).EQ.0) GO TO 26
0032 B(I)=E(I)+X(I)/R(I)
0033 C(I)=C(I)+2.0*(X(I)/R(I))**2
0034 CONTINUE
0035 READ(4,K)X
0036 K=6
0037 FIND(4,K)
0038 DO 28 I=1,N
0039 A(I)=FO*(A(I)+2.0/3.0*R(I))*X(I)
0040 READ(4,K)X
0041 K=7
0042 FIND(4,K)
0043 DO 30 I=1,N
0044 C(I)=C(I)+X(I)**2
0045 B(I)=X(I)
0046 READ(4,K)X
0047 K=17
0048 FIND(4,K)
0049 DO 33 I=1,N
0050 IF(R(I).EQ.0) GO TO 33
0051 C(I)=C(I)-2.0*X(I)/R(I)*E(I)+(X(I)/R(I))**2
0052 CONTINUE
0053 READ(4,K)X
0054 K=5
0055 FIND(4,K)
0056 DO 35 I=1,N
0057 C(I)=C(I)+X(I)**2
0058 READ(4,K)X
0059 K=4
0060 READ(4,K)X
0061 DO 40 I=1,N
0062 C(I)=C(I)+(B(I)+X(I))**2
0063 X(I)=2.0*ETAEF(I)*C(I)+A(I)
0064 RETURN
0065 END

```

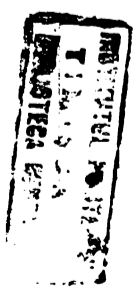


SYMBOL	LOCATION	COMMON BLOCK /BLOCC	MAP SIZE	SYMBOL	LOCATION	SYMBOL	LOCATION
A	0	B	2A3d	C	1C20		
		E10					
SYMBOL K	LOCATION EC	SYMBOL I	SCALAR MAP LOCATION F0	SYMBOL N	LOCATION F4	SYMBOL CDE	LOCATION F8
SYMBOL R	LOCATION 100	SYMBOL X	ARRAY MAP LOCATION 104	SYMBOL E1AEF	LOCATION 106		
SYMBOL IBCD##	LOCATION 10C	SYMBOL SCRT	SUBPROGRAMS CALLED LOCATION 110	SYMBOL	LOCATION	SYMBOL	LOCATION

LOCATION	STA NUM	LAEL	STATEMENT	LABEL MAP LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
000218	1			000218	5		000220	6	
000250	7			000258	8		00026C	9	
000280	10			00028C	11	14	000294	12	
00029A	13	1E		0002DC	15		00030C	19	
000314	17			000328	18		000340	22	
00034E	20	2C		000372	21		0003A0	25	
0003A8	23			0003BC	24		00043C	28	
0003E0	26	22		00040E	27		000478	31	
000444	29			000458	30		0004AC	34	
000486	32			000496	33		000500	37	
0004CC	35			0004F8	36		000560	40	26
000514	38			000528	39	28	0005A8	43	
0005BC	41			000594	42		0005F2	46	
0005C0	44			0005CE	45	30	00063C	49	
000620	47			000628	48		00068E	52	
00065C	50			00066A	51		0006E4	55	33
0006AE	53			0006DC	54	35	000736	58	
000758	56			00070C	57		00078C	61	
	59			000760	60			64	
0007AC	62			0007BE	63	40	0007F2		

TOTAL MEMORY REQUIREMENTS 0007FA BYTES

HIGHEST SEVERITY LEVEL OF ERRORS FOR THIS MODULE WAS 0



```

D05 FORTRAN IV 360N-F0-479 3-5          TERPOL          DATE 17/02/84          TIME 18.14.57          PAGE 0001
0001          SUBROUTINE TERPOL(XM,VM,XDT,YDE,KXDT,EPS,KM)
0002          DIMENSION WORK(25),ARG(25),V(25)
C          ARGUMENT MASURATORI ** SORTAI CRESCATOR **      VECTOR
C          VM          MASURATORI
C          KM          NUMARUL DATELOR MASURATE
C          XDT ARGUMENT - INTRARI PT INTERPLARE VECTOR DIM KXDT
C          YDE FUNCTIE INTERPOLATA      VECTOR DIM KXDT
C          EPS ERORARE ABSOLUTA LA INTERPOLARE
          DIMENSION XM(1),VM(1),XDT(1),YDE(1)
          DIMENSION V(25)
          NM=3
          CONTINUE
          DO 100 I=1,KXDT
          IF(XM(I)-XDT(I)) 1,1,2
          YDE(I) = VM(I)
          GO TO 100
          IF(XDT(I)-XM(KM)) 4,4,3
          YDE(I) = VM(KM)
          GO TO 100
          XINT = XDT(I)
          DO 5 J=1,KM
          V(J) = VM(J)
          CALL ATSG(XINT,XM,V,WORK,KM,1,ARG,V,KM)
          CALL ALI(XINT,ARG,V,YIE,KM,EPS,IER)
          YDE(I) = YIE
          CONTINUE
          RETURN
          END
0003
0004
0005
0006
0007
0008
0009
0010
0011
0012
0013
0014
0015
0016
0017
0018
0019
0020
0021
0022

```

SYMBOL	LOCATION	SYMBOL	SCALAR MAP	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
NW	C0	I	C4	C6	KW	CC	XINT	D0		
J	D4	YIE	D8	DC	IER	ED				
SYMBOL	LOCATION	SYMBOL	ARRAY MAP	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
WORK	E4	ARG	148	IAC	XV	210	VM	214		
XDT	218	YIE	21C	220						
SYMBOL	LOCATION	SYMBOL	SUBPROGRAMS CALLED	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
AT56	284	ALI	288							

LOCATION	STA NUM	LABEL	STATEMENT	LOCATION	STA NUM	DATE	TIME	LOCATION	STA NUM	LABEL
0003B9	1			0003DE	5			0003C0	7	
0003F0	8			000404	9			000410	10	
000416	11	1		000436	12	5		00044E	13	
000454	14	4		00045C	15			000470	16	5
000494	17			0004AA	18			0004BE	19	
0004C0	20	100		0004DC	21					
TOTAL										

HIGHEST SEVERITY LEVEL OF ERRORS FOR THIS MODULE WAS :

```

0001 SUBROUTINE RKMOD(HI,XI,YI,XF,YF,ANSX,ANSY,IER)
0002 IER=0
0003 IF(XF-XI) 11,11,12
0004 ANSX=XI
0005 ANSY=YI
0006 RETURN
0007 H=HI
0008 IF(HI) 16,14,20
0009 IER=1
0010 ANSX=XI
0011 ANSY=YI
0012 RETURN
0013 H=-HI
0014 XN=XI
0015 YN=YI
0016 HNEW=H
0017 JUMP=1
0018 GO TO 170
0019 XN1=XX
0020 YN1=YY
0021 IF(XN1-XF) 50,30,40
0022 ANSX=XF
0023 ANSY=YN1
0024 GO TO 160
0025 HNEW=XF-XN
0026 JUMP=2
0027 GO TO 170
0028 ANSX=XX
0029 ANSY=YY
0030 GO TO 160
0031 IF((YN1-YF)*(YF-YN)) 60,70,110
0032 YN=XN1
0033 XN=XN1
0034 GO TO 170
0035 IF(YN1-YF) 80,100,80
0036 ANSX=XN
0037 ANSY=XN
0038 GO TO 160
0039 ANSY=YN1
0040 ANSX=XN1
0041 GO TO 160
0042 DD 146 I=1,10
0043 HNEW=((YF-YN)/(YN1-YN))*(XN1-XN)
0044 JUMP=3
0045 GO TO 170
0046 XNEW=XX
0047 YNEW=YY
0048 IF(YNEW-YF) 120,150,130
0049 YN=YNEW
0050 XN=XNFY
0051 GO TO 140
0052 YN1=YNEW
0053 XN1=XNEW
0054 CONTINUE
0055 ANSX=XNEW
0056 ANSY=YF
0057 RETURN
0058 H2=HNEW/2
0059 CALL SRTN(XN,YN,FUN)
0060 T1=HNEW*FUN
0061 CALL SRTN(XN+H2,YN+T1/2,0,FUN)
0062 T2=HNEW*FUN
0063 CALL SRTN(XN+H2,YN+T2/2,0,FUN)
0064 T3 = FNEW*FUN
0065 CALL SRTN(XN+HNEW,YN+T3,FUN)
0066 TA=HNEW*FUN
0067 YV=YN+(T1+2.0*T2+2.0*T3+T4)/6.
0068 XX=XN+FNW
0069 GO TO (25,45,115).JUMP
0070 END

```

DOS FORTRAN IV 360N-FC-479 3-5 RKMOD DATE 17/02/84 TIME 18.15.20 PAGE 0002

SYMBOL	LOCATION	SYMBOL	SCALAR MAP	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IER	144	XF	XI	14C	ANSX	150	ANSY	154	YN	158
YI	156	H	HI	160	XN	164	YN1	168	YNEW	170
HNEW	16C	JUMP	XN1	174	XX	178	XN	17C		
YV	180	YF	I	188	XNEW	18C		190		
H2	194	FUN	T1	19C	T2	1A0		1A4		
TA	1AA									

SYMBOL LOCATION SYMBOL SUBPROGRAMS CALLED SYMBOL LOCATION SYMBOL LOCATION SYMBOL LOCATION  
 SRTN IAC

DOS FORTRAN IV 360N-FO-479 3-5 RKMOD DATE 17/02/84 TIME 16.13.25 PAGE 0013

LOCATION	STA NUM	LABEL	STATEMENT	LABEL MAP LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL
0002FA	1	11		0002FA	2		000302	2	
000312	4	11		00031A	5		000322	4	
00032A	7	12		000332	8		000344	9	
00034C	10	12		000354	11		00035C	12	
000364	13	10		00036E	14	20	000376	15	
00037E	16	10		000386	17		00038F	16	
000394	19	25		00039C	20		0003A4	18	
0003BA	22	30		0003C2	23		0003CA	21	
0003D0	25	40		0003DC	26		0003EA	24	
0003EA	28	40		0003F2	29		0003FA	27	
000400	31	45		000420	32	60	00042E	35	
000430	34	57		000436	35	70	000444	36	
00044E	37			00045C	38		00045C	39	
000464	40			00046C	41		000472	42	
00047E	43			00049E	44		0004A6	45	
000480	45	115		0004BB	47		0004C0	48	
0004D6	49	120		0004DE	50		0004E6	49	
0004EC	52	130		0004FA	53		0004FC	51	
000510	55	150		000518	56		000526	54	147
000528	58	150		000534	59		000542	57	165
00054E	61	170		000578	62		000584	60	
00055E	64			0005BA	65		0005EC	63	
000650	67			000612	68		00061E	69	
TOTAL	70							69	

HIGHEST SEVERITY LEVEL OF ERRORS FOR THIS MODULE WAS 0

DOS FORTRAN IV 360N-FO-479 3-5 SRTN DATE 17/02/84 TIME 18.15.51 PAGE 0001  
0001 SUBROUTINE SRTN(AA,BB,FUN)  
0002 DIMENSION WORK(25),ARG(25),VAL(25)  
0003 DIMENSION VXM(25),YMS(25)  
0004 COMMON /BL1/ VXM,YMS,NVX,RO  
0005 CALL ATSG(AA,YMS,VXM,WORK,NVX,1,ARG,VAL,NVX)  
0006 CALL ALI(AA,ARG,VAL,VIE,NVX,1,E-02,IER)  
0007 FUN =FC\*AA\*VIE  
0008 RETURN  
0009 END



SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
VXM	0	COMMON BLOCK	64	SYMBOL	10	MAP	CC	SYMBOL	CC	SYMBOL	LOCATION
AA	34	SCALAR MAP	92	SYMBOL	9C	MAP	CC	SYMBOL	CC	SYMBOL	LOCATION
WORK	A6	ARRAY MAP	10C	SYMBOL	17C	MAP	CC	SYMBOL	CC	SYMBOL	LOCATION
ATSG	104	SUBPROGRAM CALLED	10E	SYMBOL	17C	MAP	CC	SYMBOL	CC	SYMBOL	LOCATION

DOS FORTRAN IV 360N-FO-479 3-5

SRTN

DATE 17/02/84

TIME 18.15.51

PAGE 0003

LOCATION	STA NUM	LABEL	STATEMENT LABEL MAP	LOCATION	STA NUM	LABEL	LOCATION	STA NUM	LABEL	
0002C4	1		LOCATION	0002C4	5		LOCATION	0002D2	6	
0002E0	7		LOCATION	0002F4	8					
TOTAL MEMORY REQUIREMENTS 0002FC BYTES										

HIGHEST SEVERITY LEVEL OF ERRORS FOR THIS MODULE WAS 0

```

0001 SUBROUTINE SURSAP(R,ETAT,C1,C2,C3,RO,Y,NR,KNG,ING,NNG,NGR,N,YA,YF,
0002 CYS)
0003 DIMENSION YS(1)
0004 DIMENSION R(900),ETAT(900),KNG(1),ING(1),NNG(1)
0005 DIMENSION X(900),A(900),B(900),C(500),G(900),H(900),C2S(900)
0006 COMMON /BLOCC/A,B,C
0007 YP=YA-.001
0008 YG=YF-.001
0009 DO 5 I=1,900
0010 G(I)=0
0011 H(I)=0
0012 C2S(I)=0
0013 N=1
0014 FIND(4*N)
0015 K=0
0016 READ(4*N,ERR=14) X
0017 CONTINUE
0018 GO TO (10,20,30,40,50,60,70,80,90,100,110,120,130,140,150,160,170,
0019 B180),K
0020 DO 11 I=1,NR
0021 A(I)=X(I)**2
0022 N=6
0023 GO TO 1
0024 DO 21 I=1,NR
0025 A(I)=A(I)+X(I)**2
0026 G(I)=X(I)
0027 B(I)=X(I)
0028 N=7
0029 GO TO 1
0030 DO 31 I=1,NR
0031 IF(R(I).NE.0) H(I)=X(I)/R(I)
0032 CONTINUE
0033 N=8
0034 GO TO 1
0035 DO 44 I=1,NR
0036 IF(R(I)) 41,44,41
0037 C
0038 A(I)=A(I)+2.0*(X(I)/R(I))**2
0039 B(I)=X(I)/R(I)
0040 CONTINUE
0041 N=2
0042 GO TO 1
0043 DO 55 I=1,NR
0044 A(I)=A(I)+2.0*X(I)**2
0045 B(I)=E(I)+X(I)
0046 N=3
0047 GO TO 1
0048 DO 61 I=1,NR
0049 B(I)=E(I)+X(I)
0050 A(I)=A(I)+2.0*X(I)**2
0051 N=4
0052 GO TO 1
0053 DO 71 I=1,NR
0054 C(I)=X(I)
0055 N=5
0056 GO TO 1
0057 DO 81 I=1,NR
0058 J=1
0059 IF(NNG(J).EQ.1) GO TO 85
0060 IF(J.EC.NGR) GO TO 83
0061 J=J+1
0062 GO TO 82
0063 IG=ING(J)
0064 KG=KNC(J)
0065 IF(IG.EC.1.AND.YS(J).GE.YP) GC TO 86
0066 IF(KG.EC.1) GO TO 83
0067 IF(IG.EG.NX.AND.YS(J).GE.YG) GO TO 86
0068 C2S(I)=C2
0069 GO TO 81
0070 C2S(I)=C2+.45*(H(I)*(G(I)+H(I)))/(X(I)**2+(G(I)-H(I))**2)
0071 A(I)=A(I)+(C(I)+X(I))**2
0072 N=19
0073 GO TC 1
0074 DO 91 I=1,NR
0075 IF(X(I).EQ.0) X(I)=1.
0076 C
0077 A(I)=2.0/X(I)*(ETAT(I)*A(I)-2.0/3.0*RO*X(I)*B(I))
0078 N=18

```

```

0077      GO TO 1
0078      DG 101 I=1,NR
0079      IF(X(I).LT.0) X(I)=0
0080      101  A(I) = C2S(I)*RC*X(I)*SORT(X(I))-A(I)*X(I)
0081      N=9
0082      GO TO 1
0083      DO 111 I=1,NR
0084      110  B(I)=2.0 * X(I)**2
0085      N=10
0086      GO TO 1
0087      DO 121 I=1,NR
0088      120  B(I)=E(I)+2.0* X(I)**2
0089      N=11
0090      GO TO 1
0091      DO 131 I=1,NR
0092      130  C(I)=X(I)
0093      N=12
0094      GO TO 1
0095      DO 141 I=1,NR
0096      140  D(I) =E(I)+(C(I)+X(I))**2
0097      C
0098      N=13
0099      GO TO 1
0100      DO 151 I=1,NR
0101      150  B(I)=E(I) + X(I) **2
0102      C
0103      N=14
0104      GO TO 1
0105      DO 161 I=1,NR
0106      160  D(I) = E(I) + X(I) **2
0107      C
0108      N=15
0109      GO TO 1
0110      DO 177 I=1,NR
0111      170  IF(R(I)) 171,177,171
0112      C
0113      B(I)=E(I)-2.0/R(I)*X(I)*C(I)+(X(I)/R(I)) **2
0114      C
0115      CONTINUE
0116      N=16
0117      GO TO 1
0118      DO 188 I=1,NR
0119      180  DD 188 I=1,NR
0120      181  IF(R(I)) 181,188,181
0121      C
0122      X(I)=(E(I)+2.0*(X(I)/R(I))**2)*CI*ETAT(I) +A(I)
0123      C
0124      CONTINUE
0125      DD 202 I=1,NR
0126      202  Y(I)=X(I)
0127      RETURN
0128      WRITE(3,15) N
0129      14  FORMAT(' ',ERDARE DISC',I2)
0130      RETURN
0131      END

```

SYMBOL	LOCATION	COMMON BLOCK /BLOCK	SYMBOL	MAP	SIZE	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
A	0	B	E10	C	1020						

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
VP	208	Y/A	20C	Y/G	210	Y/F	214	I	218
N	21C	K	220	NR	224	J	228	NGR	22C
IG	230	KG	234	NX	236	C2	23C	RD	240
CI	244	CS	248						

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
YS	24C	R	250	G	254	H	258	ING	25C
NNG	260	X	264	ETAT	1074	KNG	1E84	C2S	2C94
Y	3AAA4								

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	3AAB	SCRT	3AAC				

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
200	3AB4	IS	3ACB				

LOCATION	STA NUM	LABEL	STATEMENT	LABEL MAP	LOCATION	STA NUM	LABEL	STATEMENT	LABEL MAP
003CD4	1			003CD4	7				003CE4
003CF0	9			003D00	10				003D0C
003D14	12	5		003D34	13				003D40
003D58	15			003D60	15	1			003D70
003D94	19	80C		003E00	20	10			003E14
003E3E	22			003E4A	23				003E50
003E68	25			003E7E	26				003E7E
003EA6	28			003E82	29	31			003E8E
003EDA	31			003EF2	32				003F12
003E1E	34			003F24	35	40			003F40
003F4C	37	41		003FA2	38				003F72
003F96	40			003FB6	39				003FFA
003FBC	43			003FD2	41	50			004020
004006	46			00400C	44	60			004020
00402C	49	61		00405E	47	60			00406A
004070	52	71		004084	50	71			0040AC
0040B8	55			0040BE	53	80			0040DA
0040E6	58	82		004108	56	80			004116
004122	61			004128	59	85			004144
004150	64			004186	62				00419E
0041CA	67	8C		0041C2	65				0041D8
004210	70	81		004246	68				004252
004258	73	9C		004274	71				00428F
0042E0	76			0042EC	74				0042F2
00430A	79			004324	77				004386
004392	82			004398	80	101			0043AC
0043DA	85			0043E6	83	110			0043EC
004400	88			004432	86				00443E
00444A	91	121		004458	89				004480
00448C	94	13C		004492	92	131			0044A0
0044DC	97			0044E8	95	140			0044E8
004502	100			004530	98				00453C
004542	103	151		00455A	101				004568
004590	106	16C		00459C	104				0045A2
0045C2	109			0045CE	107	171			0045F6
00461A	112			004626	110	181			00462C
004650	115			00465C	113	202			004682
0046AA	119			0046C2	116				0046EA
0046F2	122			004718	122				
TOTAL	122	14			124				

HIGHEST SEVERITY LEVEL OF ERRORS FOR THIS MODULE WAS 0

MEMORY REQUIREMENTS 004720 BYTES



```

0062 31 IF(I-1) 33,32,33
0063 32 IF(Y(K)-YA) 50,50,60
0064 33 IF(K.EC.1) GO TO 50
0065 33 IF(XALE,X(I).AND.X(I).LT.X8) GO TO 34
0066 33 IF(X(I).EG.X8) GO TO 35
0067 33 IF(XCLE,X(I).AND.X(I).LT.XD) GO TO 36
0068 34 GO TO 37
0069 34 YCC=(YE-YA)/X8*X(I)+YA
0070 34 IF(Y(K)-YCC) 999,50,60
0071 34 IF(K.GE.NYK) GO TO 70
0072 35 IF(Y(K+1)-YCC) 70,50,70
0073 35 IF(Y(K)-Y8) 9991,50,50
0074 35 IF(K.GE.NYK) GO TO 70
0075 35 IF(Y(K+1)-Y8) 70,50,70
0076 36 IF(Y(K)-YC) 70,50,60
0077 37 IF(X(I).EG.XD) GO TO 38
0078 37 IF(X(I).EQ.XF) GO TO 39
0079 38 IF(YE.LE.Y(K).AND.Y(K).LE.YD) GO TO 50
0080 38 GO TO 70
0081 39 IF(Y(K)-YF) 50,50,60
0082 39 IN(N) = I
0083 70 KN(N) = K
0084 70 NM(N) = N
0085 600 DO 600 IV=1,5
0086 600 V(IV,N)=0
0087 60 N = N+1
0088 60 IF(K-NYK) 41,42,41
0089 41 K=K+1
0090 41 GO TO 31
0091 42 IF(I-NX) 44,43,44
0092 44 I=I+1
0093 44 GO TO 30
0094 50 ING(NGR)=I
0095 50 KNG(NGR)=K
0096 50 NMG(NGR) = N
0097 50 NGR=NGR+1
0098 50 GO TO 70
0099 43 NGR=NGR-1
0100 43 N = N-1
0101 43 INMAX=I
0102 43 KNMAX=1
0103 43 DO 46 I=1,N
0104 43 IF(KN(I).GT.KNMAX) KNMAX=KN(I)
0105 43 IF(IN(I).GT.INMAX) INMAX=IN(I)
0106 43 CONTINUE
0107 46 C
0108 46 CITREA FARAFETRILOR
0109 46 C
0110 46 C VXM ESTE ENERGIA E LA GRANITA DE INTRARE
0111 46 C VTA ESTE PULSATIA TURBULENTIA W LA GRANITA DE INTRARE
0112 866 READ(NC,81) NVX.(VXM(J).YMS(J).J=1,NVX)
0113 866 READ(NC,881) NVT.(VTM(J).YMT(J).J=1,NVT)
0114 866 FORMAT(13,11F7.0,/,/(11F7.0,3X))
0115 881 NVXX=NVX-1
0116 881 DO 895 J=1,NVXX
0117 881 ALL=1.-VXM(J)/YA
0118 881 IF(ALL.LE.0.)ALL=1.
0119 881 C
0120 899 VXM(J)=13.5-5.*ALOG(ALL)
0121 899 VXM(NVX)=10.*VXM(NVX-1)
0122 900 DO 900 J=1,NVT
0123 900 VMT(J) = YMS(J)
0124 900 VTM(J)=VXM(J)/.178/(.35-.199*(YMT(J)/YA)**2-.15*(YMT(J)/YA)**4)**2
0125 900 A/YA**2
0126 800 C
0127 800 CALL TERPOL (YMS,VXM,Y,YDE,NYK,1.E-03,NVX)
0128 800 K=1
0129 800 DO 800 J=1,N
0130 800 IF(IN(J)-1) 800,801,800
0131 801 KK=MN(J)
0132 801 V(4,KK) = YDE(K)
0133 800 K=K+1
0134 800 CONTINUE
0134 800 CALL TERPOL(YMT,VTM,Y,YDE,NYK,1.E-03,NVT)
0134 800 K=1
0134 800 DO 810 J=1,N
0134 800 IF(IN(J)-1) 810,820,810
0134 800 KK=MN(J)
0134 800 V(5,KK) = YDE(K)
0134 800 K=K+1

```



```

0136      810 CONTINUE
0137      C GRANITA DE INTRARE A FLUIDULUI IN DOMENIU VITEZE AXIALE
0138      C MASURATE INTERPOLATE
0139      C
0140      READ(NC,81) NVX,(VXM(J),YMS(J),J=1,NVX)
0141      READ(NC,81) NVT,(VTM(J),YMT(J),J=1,NVT)
0142      CALL TERPOL(YMS,VXM,Y,PVXM,NVK,.01,NVX)
0143      J=1
0144      IF(Y(J)-YA) 34567,34568,34569
0145      34566 J=J+1
0146      GO TO 34566
0147      34568 PVXM(J)=0
0148      CONTINUE
0149      RIN(1)=0
0150      VI=0
0151      VFF=1.F+10
0152      J=1
0153      XI=YMS(J)
0154      XFF=YMS(J+1)
0155      HI=(XFF-XI)/10.
0156      CALL FMOD(HI,XI,YI,XFF,YFF,ANSX,ANSY,IER)
0157      WRITE(3,115) ANSX,ANSY,XI,XFF,IER
0158      RIN(J+1)=ANSY
0159      VI=ANSY
0160      YI=ANSY
0161      FORMAT(0.0,ANSX=*,E12.4, ANSY=*,E12.4, XI=*,E12.4, XFF=*,E12.4,
0162      2. IER=*,I2)
0163      IF(J-NVX+1) 812,813,813
0164      J=J+1
0165      GO TO 811
0166      812 CONTINUE
0167      DO 814 J=1,NVX
0168      RIN(J)=RIN(J)-RIN(NVX)
0169      PAX=RIN(1)
0170      PSC=PAX
0171      CALL TERPOL(YMS,RIN,Y,VRIN,NVK,.01,NVX)
0172      J=1
0173      V(1,J)=VRIN(J)
0174      IF(Y(J)-(YA-.001)) 816,817,817
0175      J=J+1
0176      GO TO 815
0177      RIN(J)=0
0178      V(1,J)=0
0179      C
0180      READ(NC,47) DMAXI,AM
0181      WRITE(3,3999) DMAXI,AM
0182      FORMAT(0.0,DMAXI=*,E12.4, AM=*,E12.4)
0183      47 FORMAT(12F6.4,8X)
0184      C VALORI IN DOMENIU PENTRU PSI
0185      DO 48 I=J,N
0186      KK=1
0187      DC 5057 KK=1,NGR
0188      IF(MNG(KK)-1) 5097,5098,5097
0189      CONTINUE
0190      V(1,I) = PAX*(FLOCAT(KNMAX)-FLOCAT(KN(I)-1))/FLOCAT(KNMAX)
0191      GO TO 48
0192      5098 V(1,I)=0
0193      CONTINUE
0194      48 VALORI IN DOMENIU PENTRU R-VITEZA * PARABOLA ATENUATA *
0195      5100 CONTINUE
0196      I = 1
0197      DM=DMAXI*EXP(-AM*FLOCAT(IN(I)-1))
0198      WRITE(NW,3899) DM,I
0199      FORMAT(0.0,DM=*,E12.4, I=*,I2)
0200      IRI=IN(I)
0201      IP=0
0202      IF(I+IP-N) 53,52,54
0203      IF(IN(I+IP)-IRI) 54,55,54
0204      IP = IP+1
0205      GO TO 52
0206      54 IFF = I+IP-1
0207      KR2=KN(IF)
0208      FKR2= FLOCAT(KR2)-1.
0209      IF(FKR2-EG,0) FKR2=1.1
0210      V(2,I) =DM*(1.0-(FLOCAT(KN(I))-1.0)**2/FKR2 **2)
0211      IF(I-IF) 57,58,57
0212      I=I+1
0213      GO TO 56
0214      57 I=I+1
0215      IF(IF-N) 59,61,59
0216      I = I+1
0217      GO TO E1

```

```

0208 0209 61 CALL TERPOL(YMT,VTM,Y,VDVT,NYK,.001,NVT)
0210 0211 J=1
0212 0213 3620 V(2,J)=VDVT(J)*Y(J)
0214 0215 VDVT(J)=V(2,J)
0216 0217 IF(Y(J)-YA) 3621,3622,3622
0218 0219 3621 J=J+1
0220 0221 3622 GO TO 3620
0222 0223 VDVT(J)=0
0224 0225 J=1
0226 0227 3623 DVXM(J)=(VXM(J+1)-VXM(J))/(YMS(J+1)-YMS(J))
0228 0229 J=J+1
0230 0231 IF(Y(J)-YA) 3623,3624,3624
0232 0233 3624 DVXM(J)=DVXM(J-1)
0234 0235 CALL TERPOL(YMS,CVXM,Y,VDVX,NYK,.001,J)
0236 0237 C CONDITII GRANITA
0237 0238 C ENERGF E FE AXA OX DIN DATE EXPERIMENTALE
0238 0239 READ(NC,81) NPCT,(E(J),XOX(J),J=1,NPCT)
0239 0240 C W PE AXA CX
0240 0241 READ(NC,882) NPW
0241 0242 882 FORMAT(I3,77X)
0242 0243 C
0243 0244 C
0244 0245 C
0245 0246 C
0246 0247 C
0247 0248 C
0248 0249 C
0249 0250 C
0250 0251 C
0251 0252 C
0252 0253 C
0253 0254 C
0254 0255 C
0255 0256 C
0256 0257 C
0257 0258 C
0258 0259 C
0259 0260 C
0260 0261 C
0261 0262 C
0262 0263 C
0263 0264 C
0264 0265 C
0265 0266 C
0266 0267 C
0267 0268 C
0268 0269 C
0269 0270 C
0270 0271 C
0271 0272 C
0272 0273 C
0273 0274 C
0274 0275 C
0275 0276 C
0276 0277 C

```

PULSATIA TURBULENTIA W PE AXA OX DIN DATE EXPERIMENTALE

```

81 FORMAT(I5,15F5.1,/,.(16F5.1))
CALL TERPOL(XOX,E,X,YDE,NX,1.E-3,NPCT)
K=1
DO 86 J=1,N
IF(KN(J)-1) 86,87,86
KK=NN(J)
V(4,KK) = YDE(K)
K = K+1
CONTINUE
86 CALL TERPOL (XW,W,X,YDE,NX,1.E-3,NPW)
K=1
DO 96 J=1,N
IF(KN(J)-1) 96,97,96
KK=NN(J)
V(5,KK)=YDE(K)
V(1,KK)=PSC
V(2,KK)=0
K=K+1
CONTINUE
96 DO 2011 J=1,N
ETAT(J) =ETF
READ(NC,2100) KS,LS,NV,VAS
IF(KS.EQ.0.AND.LS.EQ.0.AND.NV.EQ.0)GO TO 2200
FORMAT(3I2,E12.4)
DO 2400 J=1,N
IF(IN(J).EQ.KS.AND.KN(J).EQ.LS) GO TO 2401
CONTINUE
2400 GO TO 2300
2401 V(NV,KK) = VAS
GO TO 2300
V(NV,KK) = 0
CONTINUE
2200 CONTINUE
C CALCULUL CURGERII
SF=0
DO 200 J=1,4
ETOT(J)=0
TET(J)=C
KET(J)=C
ELDC(J)=0
ILOC(J)=0
KLOC(J)=0
BF(J)=C
DO 1200 K=1,4
CF(K) =0
K16=1
DEFINE FILE 4(25,900,U,KAS)

```

```

0278      110 CONTINUE
0279      DO 2001 J=1,5
0280      ETOT(J)=0.
0281      I1=1
0282      IV=1
0283      I=1
0284      IF(NNG(I)-I1) 522,2021,522
0285      IF(I-KGR) 523,524,523
0286      I=I+1
0287      GO TO 599
0288      I=1
0289      IF(NN(I)-I1) 526,527,526
0290      IF(I-N) 528,529,528
0291      I=I+1
0292      GO TO 525
0293      WRITE(N*,666)
0294      FORMAT(' ',*,* ERDARE*)
0295      GO TO 160
0296      IZ = NN(I)
0297      KZ = NN(I)
0298      NO = J1
0299      I = 1
0300      IF(NN(I) - IZ) 531,540,531
0301      IF(NN(I) - (IZ+1)) 532,550,532
0302      IF(NN(I) - (IZ-1)) 533,560,533
0303      IF(I-N) 534,535,534
0304      I = I + 1
0305      GO TO 530
0306      IF(IV-1) 536,570,536
0307      IF(IV-2) 537,580,537
0308      IF(IV-3) 538,590,538
0309      IF(IV-4) 539,595,539
0310      IF(IV-5) 1000,585,1000
0311      IF(NN(I) - (KZ+1)) 541,542,541
0312      IF(NN(I) - (KZ-1)) 531,543,531
0313      N2 = NN(I)
0314      K22 = NN(I)
0315      I22 = NN(I)
0316      GO TO 531
0317      N4 = NN(I)
0318      I44 = NN(I)
0319      K44 = NN(I)
0320      GO TO 521
0321      IF(NN(I) - KZ) 552,551,552
0322      N1 = NN(I)
0323      I11 = NN(I)
0324      K11 = NN(I)
0325      GO TO 532
0326      IF(NN(I) - (KZ+1)) 554,553,554
0327      N5 = NN(I)
0328      GO TO 532
0329      IF(NN(I) - (KZ-1)) 532,555,532
0330      N8 = NN(I)
0331      GO TO 532
0332      IF(NN(I) - KZ) 561,562,561
0333      IF(NN(I) - (KZ-1)) 563,564,563
0334      IF(NN(I) - (KZ+1)) 573,565,573
0335      N3 = NN(I)
0336      I33 = NN(I)
0337      K33 = NN(I)
0338      GO TO 533
0339      N6 = NN(I)
0340      GO TO 533
0341      N7 = NN(I)
0342      GO TO 533
0343      AF=0
0344      DO 571 J1=1,5,2
0345      BF(J1) = 1./RO/Y(KZ)**2
0346      BF(2) = 1./RO/Y(KZ+1)**2
0347      IF(KZ.EG.2) GO TO 555
0348      GO TO 4444
0349      BF(4)=C
0350      GO TO 5432
0351      BF(4) = 1./RO/Y(KZ-1)**2
0352      CONTINUE
0353      DO 572 J1=1,5
0354      CF(J1) = 1.
0355      IF(K16-K40) 573,574,574
0356      SF = 0
0357      GO TO 99
0358      SF = V(3,I1)
0359      GO TO 55

```

```

0360 0360 AF=1.0
0361 0361 BF(1)=Y(KZ)**2*ETAT(N1)
0362 0362 BF(2)=Y(KZ+1)**2*ETAT(N2)
0363 0363 BF(3)=Y(KZ)**2*ETAT(N3)
0364 0364 BF(4)=Y(KZ-1)**2*ETAT(N4)
0365 0365 BF(5)=Y(KZ)**2*ETAT(N0)
0366 0366 DO 582 J1=1.5,2
0367 0367 CF(J1)=1./Y(KZ)**2
0368 0368 CF(2)=1./Y(KZ+1)**2
0369 0369 IF(KZ.EG.2) GO TO 5422
0370 0370 CF(4)=1./Y(KZ-1)**2
0371 0371 GO TO 4422
0372 0372 5422 CF(4)=0.
0373 0373 4422 CONTINUE
0374 0374 SF=0
0375 0375 GO TO 99
0376 0376 GO TC 99
0377 0377 DO 591 J1=1.5,2
0378 0378 BF(J1)=Y(KZ)**2
0379 0379 BF(2)=Y(KZ+1)**2
0380 0380 BF(4)=Y(KZ-1)**2
0381 0381 CF(1)=ETAT(N1)
0382 0382 CF(2)=ETAT(N2)
0383 0383 CF(3)=ETAT(N3)
0384 0384 CF(4)=ETAT(N4)
0385 0385 CF(5)=ETAT(N0)
0386 0386 IF(K1E-K40)593,594,594,
0387 0387 SF=0
0388 0388 GO TO 99
0389 0389 GO TO 99
0390 0390 SF=2.*RO/Y(KZ)**2*V(2,11)*DX(11)
0391 0391 GO TO 99
0392 0392 AF=1.0
0393 0393 BF(1)=ETAT(N1)/SIGE
0394 0394 BF(2)=ETAT(N2)/SIGE
0395 0395 BF(3)=ETAT(N3)/SIGE
0396 0396 BF(4)=ETAT(N4)/SIGE
0397 0397 BF(5)=ETAT(N0)/SIGE
0398 0398 DO 596 J1=1.5
0399 0399 CF(J1)=1.0
0400 0400 IF(K1E-K40) 597,598,598
0401 0401 SF=0
0402 0402 GO TO 99
0403 0403 GO TO 99
0404 0404 SF=C4(11)
0405 0405 AF=1.0
0406 0406 BF(1)=ETAT(N1)/SIGW
0407 0407 BF(2)=ETAT(N2)/SIGW
0408 0408 BF(3)=ETAT(N3)/SIGW
0409 0409 BF(4)=ETAT(N4)/SIGW
0410 0410 BF(5)=ETAT(N0)/SIGW
0411 0411 DO 586 J1=1.5
0412 0412 CF(J1)=1.0
0413 0413 IF(K1E-K40) 588,589,589
0414 0414 SF=0
0415 0415 GO TO 99
0416 0416 GO TO 99
0417 0417 SF=C5(11)
0418 0418 GO TC 99
0419 0419 1000 WRITE(NW,587)
0420 0420 587 FORMAT('... EROARE NUMAR VARIABLE')
0421 0421 STOP 7
0422 0422 99 H1=(BF(1)+BF(5))/8.*(Y(KZ+1)-Y(KZ-1))/(X(I11)-X(I2))*(Y(
2K11)+Y(KZ))
0423 0423 H2=(EF(2)+BF(5))/8.*(X(I11)-X(I33))/(Y(K22)-Y(KZ))* (
2 Y(K22)+Y(KZ))
0424 0424 H3=(BF(5)+BF(3))/8.*(Y(K22)-Y(K44))/(X(I2)-X(I33))*(Y(K33)
2 +Y(KZ))
0425 0425 H4=(EF(4)+BF(5))/8.*(X(I11)-X(I33))/(Y(KZ)-Y(K44))
2 +Y(KZ))
0426 0426 994 E1=AF*(V(1,N8)+V(1,N4)-V(1,N5)-V(1,N2)+ABS(V(1,N8)+V(1,N4)
2 -V(1,N6)-V(1,N3)))/8.
0427 0427 E2=AF*(V(1,N5)+V(1,N1)-V(1,N6)-V(1,N3)+ABS(V(1,N5)+V(1,N1)
2 -V(1,N6)-V(1,N3)))/8.
0428 0428 E3=(E33+ABS(E33))/8. *AF
0429 0429 E4=AF*(E44+ABS(E44))/8.
0430 0430 DVZ=Y(KZ)/4.*(X(I11)-X(I33))*(Y(KZ+1)-Y(KZ-1))
0431 0431 SEH=(E1+E2+E3+E4+CF(5))*(H1+H2+H3+H4)
0432 0432 F1=(E1+H1*CF(1))/SEH
0433 0433 F2=(E2+H2*CF(2))/SEH
0434 0434 F3=(E3+H3*CF(3))/SEH
0435 0435 F4=(E4+H4*CF(4))/SEH

```

```

0436 0437 0438 0439 0440 0441 0442 0443 0444 0445 0446 0447 0448 0449 0450 0451 0452 0453 0454 0455 0456 0457 0458 0459 0460 0461 0462
0463 0464 0465 0466 0467 0468 0469 0470 0471 0472 0473
0474 0475 0476 0477 0478 0479 0480 0481 0482 0483 0484
0485 0486 0487 0488 0489 0490 0491 0492 0493 0494 0495 0496 0497 0498 0499 0500 0501 0502 0503 0504 0505 0506 0507 0508 0509 0510
0511

998 EU = SF*DVZ/SEH
VCAL(IV) = F1*V(1,11) +
2F2*V(2,11) + F3*V(3,11) + F4*V(4,11) + EJ
IF(IV=5) 203,202,203
203 IV = IV+1
GO TO 525
202 DO 301 J=1,5
IF(V(J,11).EQ.0) GO TO 12345
ELOC(J) = ABS((V(J,11)-VCAL(J))/V(J,11))
GO TO 2346
12345 ELOC(J)=0
2346 CONTINUE
IF(ELOC(J) - ETOT(J)) 303,302,302
302 ETOT(J) = ELOC(J)
IR(J) = 11
IF(J.EG.1) ASR=ASR1
IF(J.EG.2) ASR=ASR2
IF(J.NE.1.OR.J.NE.2) ASR=1.
V(J,11) = ASR*VCAL(J)+(1.-ASR)*V(J,11)
301 CONTINUE
IF(KI=K40) 2021,2021,2020
IF(VCAL(5)) 2021,2021,2022
2020 ETAT(11) = ASR3*CITA*RD*VCAL(4)/SQRT(VCAL(5))+(1.-ASR3)*ETAT(11)
2021 CONTINUE
IF(11=N) 304,305,304
304 11 = 11 + 1
GO TO 427
305 CONTINUE
C TRECEREA VALORILOR LA GRANITA LIERA IESIREA FLUIDULUI
C SE TRANSFERA VALORI DIN DOMENIU LA STINGA
II=NX
DO 650 KK=1,NYK
660 IF(V(KK)-YF) 661,650,650
661 DO 665 J=1,N
IF(IN(J).EG.11.AND.KN(J).EG.KK) NFG=NN(J)
11=11+1
IF(IN(J).EG.11 .AND.KN(J).EG.KK) NPD=NN(J)
CONTINUE
665 DO 667 IV=1,5
667 V(IV,NFG)=V(IV,NPD)
650 CONTINUE
C
C SCRIE ERKILE. POZIVIA
IF(KI=1) 306,307,306
306 WRITE(NW,350) KI6,(ETOT(J),IR(J),J=1,5)
350 FORMAT(' ',13,2X,E12.4,2X,13,2X,E12.4,2X,13,2X,E12.4,2X,13,2X,E12.
24,2X,13,2X,E12.4,2X,13)
KI7=0
J=1
111 IF(ETOT(J)-EPS) 210,310,311
311 KI7 = 1
IF(J=5) 206,205,2 6
310 J = J+1
GO TO 111
205 IF(KI7 - 1) 321,322,321
C
321 NIT=0
WRITE TCATE VALORILE 0
322 IF(KI=K40-1) 207,336,336
GO TO 77
336 K=19
FIND(4,20)
IF(KI=MIT) 333,333,321
333 CONTINUE
ISD=1
DO 325 I=1,3
K=K+1
325 WRITE(4,K) (V(I,J),J=1,900)
WRITE(4,18) (V(5,J),J=1,900)
WRITE(4,19) (V(4,J),J=1,900)
WRITE(4,25) ETAT
DO 326 J=1,N
326 DX(J) = V(1,J)
N1=1
J=1
331 IF(NNG(J).EG.N1) GO TO 3334
332 IF(J.EG.NGR) GO TO 342
J=J+1
GO TO 332
3334 IG=ING(J)
KG=KKG(J)
IF(IG.EG.1) GO TO 34C
IF(KG.EG.1) GO TO 342

```

```

0511 IF(IG.EQ.NX) GO TO 342
0512 DFYD(N1)=0
0513 DFYD(N1)=0
0514 GO TO 345
0515 DFYD(N1)=0
0516 DFYD(N1)=VRIN(KG)
0517 GO TO 345
0518 CALL CERIV1(IN,KN,NN,ING,KNG,NGR,DX,X,Y,NX,NY,N1,DFX,DFY)
0519 DFYD(N1)=DFX
0520 DFYD(N1)=DFY
0521 IF(N1.EQ.N) GO TO 3005
0522 N1=N1+1
0523 GO TO 331
0524 CONTINUE
0525 CALL RAZA (Y,KN,N,R)
0526 DO 3601 J=1,N
0527 IF(R(J).EQ.0) R(J)=1.
0528 CONTINUE
0529 DO 328 J=1,N
0530 DX(J) = -DFXD(J)/R(J)/RO
0531 WRITE(4,8) DX
0532 DG 325 J=1,N
0533 DX(J)=CFYD(J)/R(J)/RO
0534 WRITE(4,23) DX
0535 N1=1
0536 J=1
0537 IF(NNG(J).EQ.N1) GO TO 3613
0538 IF(J.EC.NGR) GO TO 3614
0539 J=J+1
0540 GO TO 3611
0541 IG=ING(J)
0542 KG=KNG(J)
0543 IF(IG.EC.1) GO TO 3614
0544 IF(KG.EC.1) GO TO 3614
0545 IF(IG.EC.NX) GO TO 3614
0546 GO TO 3615
0547 CALL CERIV1(IN,KN,NN,ING,KNG,NGR,DX,X,Y,NX,NY,N1,DFX,DFY)
0548 IF(IG.EC.1) GO TO 3616
0549 DFYD(N1)=DFX
0550 DFYD(N1)=DFY
0551 GO TO 3617
0552 DFYD(N1)=PVXM(KG)
0553 DFYD(N1)=DFX
0554 GO TO 3617
0555 DFYD(N1)=0
0556 DFYD(N1)=0
0557 IF(N.EC.N1) GO TO 3618
0558 N1=N1+1
0559 GO TO 3610
0560 CONTINUE
0561 WRITE (4,2) DFX
0562 WRITE (4,5) DFYD
0563 READ (4,8) DX
0564 N1=1
0565 J=1
0566 IF(NNG(J).EQ.N1) GO TO 838
0567 IF(J.EC.NGR) GO TO 839
0568 J=J+1
0569 GO TO 837
0570 IG=ING(J)
0571 KG=KNG(J)
0572 IF(IG.EC.1) GO TO 839
0573 IF(KG.EC.1) GO TO 839
0574 IF(IG.EC.NX) GO TO 839
0575 DFYD(N1)=0
0576 DFYD(N1)=0
0577 GO TO 840
0578 CALL CERIV1(IN,KN,NN,ING,KNG,NGR,DX,X,Y,NX,NY,N1,DFX,DFY)
0579 DFYD(N1)=DFX
0580 DFYD(N1)=DFY
0581 IF(N1.EC.N) GO TO 842
0582 N1=N1+1
0583 GO TO 835
0584 CONTINUE
0585 WRITE (4,4) DFXD
0586 WRITE (4,3) DFYD
0587 DD 836 J=1,N
0588 DX(J) = V(2,J)
0589 N1=1
0590 J=1
0591 IF(NNG(J).EQ.N1) GO TO 845
0592 IF(J.EC.NGR) GO TO 846

```

```

0593      J=J+1
0594      GO TO 844
0595      IG=ING(J)
0596      KG=KNG(J)
0597      IF(IG.EC.1) GO TO 846
0598      IF(KG.EC.1) GO TO 846
0599      IF(IG.EC.NX) GO TO 846
0600      DFVD(N1)=0
0601      DFVD(N1)=0
0602      GO TO 848
0603      CALL DERIV1(IN,KN,NN,N,ING,KNG,NGG,NGR,DX,X,Y,NX,NY,N1,DFX,DFY)
0604      DFVD(N1)=DFX
0605      DFVD(N1)=DFY
0606      IF(N1.EC.N) GO TO 849
0607      N1=N1+1
0608      GO TO 843
0609      CONTINUE
0610      WRITE(4,1) DFXD
0611      DO 339 J=1,N
0612      DX(J)=-DFXD(J)/R(J)
0613      WRITE(4,16) DX
0614      DO 341 J=1,N
0615      DX(J)=-DX(J)
0616      WRITE(4,17) DX
0617      DO 342 J=1,N
0618      DX(J)=V(2,J)/R(J)
0619      N1=1
0620      J=1
0621      IF(NNG(J).EC.N1) GO TO 3609
0622      IF(J.EC.NGR) GO TO 3607
0623      J=J+1
0624      GO TO 2603
0625      IG=ING(J)
0626      KG=KNG(J)
0627      IF(IG.EC.1)GO TO 3606
0628      IF(KG.EC.1) GO TO 3607
0629      IF(IG.EC.NX) GO TO 3607
0630      DFVD(N1)=0
0631      GO TO 3609
0632      CALL CERIV1(IN,KN,NN,N,ING,KNG,NGG,NGR,DX,X,Y,NX,NY,N1,DFX,DFY)
0633      DFVD(N1)=DFY
0634      IF(N.EC.N1) GO TO 3001
0635      N1=N1+1
0636      GO TO 2602
0637      DFVD(N1)=VDVT(KG)
0638      GO TO 2409
0639      CONTINUE
0640      WRITE(4,6) DFYD
0641      WRITE(4,7) DX
0642      READ(4,16) DX
0643      DO 347 N1=1,N
0644      CALL CERIV1(IN,KN,NN,N,ING,KNG,NGG,NGR,DX,X,Y,NX,NY,N1,DFX,DFY)
0645      DFVD(N1)=DFX
0646      DFVD(N1)=DFY
0647      WRITE(4,12) DFXD
0648      WRITE(4,10) DFYD
0649      DO 348 J=1,N
0650      DX(J)=V(3,J)*R(J)
0651      WRITE(4,15) DX
0652      N1=1
0653      J=1
0654      IF(NNG(J).EC.N1) GO TO 355
0655      IF(J.EC.NGR) GO TO 357
0656      J=J+1
0657      GO TO 254
0658      IG=ING(J)
0659      KG=KNG(J)
0660      IF(IG.EC.1) GO TO 357
0661      IF(KG.EC.1) GO TO 357
0662      IF(IG.EC.NX) GO TO 357
0663      DFVD(N1)=0
0664      DFVD(N1)=0
0665      GO TO 358
0666      CALL CERIV1(IN,KN,NN,N,ING,KNG,NGG,NGR,DX,X,Y,NX,NY,N1,DFX,DFY)
0667      DFVD(N1)=DFX
0668      DFVD(N1)=DFY
0669      IF(N1.EC.N) GO TO 360
0670      N1=N1+1
0671      GO TO 252
0672      CONTINUE
0673      WRITE(4,13) DFXD
0674      WRITE(4,14) DFYD

```

```

0675 READ(4,6) DX
0676 DO 351 J=1,N
0677 DX(J)=EX(J)/R(J)
0678 DO 352 N1=1,N
0679 CALL CERIV1(IN,KN,NN,N,ING,KNG,NNG,NGR,DX,X,Y,NX,NY,N1,DFX,DFY)
0680 DFX(N1)=DFX
0681 DFY(N1)=DFY
0682 WRITE(4,9) DFX
0683 WRITE(4,11) DFY
0684 READ(4,1) DX
0685 DO 9462 J=1,900
0686 D4(J)=0
0687 D5(J)=0
0688 CALL SURSEC(R,N,D4,CDE,RO,ETAT)
0689 DO 7015 I=1,NYK
0690 DS(I)=Y(I)
0691 CONTINUE
0692 CALL SURSAP(R,ETAT,C1,C1,CO,RO,DS,N,KNG,ING,NNG,NGR,NX,YA,YF,YS)
0693 IF(K16.EQ.40.OR.K16.EQ.60.OR.K16.EQ.80) GO TO 77
C
307 ETICHETA SCRIERE
387 K16=K16+1
GO TO 110
77 CONTINUE
J=1
4999 CONTINUE
DO 5006 IX=1,N
5000 DX(IX)=V(J,IX)
5001 IF(J-1) 5002,5001,5002
5001 WRITE(3,401)
5001 FORMAT(1,1,10X,1,FUNCTIA DE CUFENT PSI,/,1,10X,1,*)
2*****
CALL SCRIE(IN,KN,DX,NN,N,NYK,NX)
DO 5011 IX=1,N
5011 DX(IX)=V(J,IX)/PAX
410 FORMAT(1,1,10X,1,PAPORT ADIMENSIONALPSI/PSIZ,/,1,10X,1,*)
2*****
CALL SCRIE(IN,KN,DX,NN,N,NYK,NX)
5003 J=J+1
GO TO 4999
5002 IF(J-2) 5005,5004,5005
5004 WRITE(3,406)
5004 FORMAT(1,1,10X,1,PRODUSUL RAZA-IMPULS SPECIFIC RVETA,/,1,10X,1,*)
2*****
DO 7002 I=1,N
IF(DX(I).LT.0) DX(I)=-DX(I)
7002 CONTINUE
CALL SCRIE(IN,KN,DX,NN,N,NYK,NX)
GO TO 5003
5005 IF(J-3) 5008,5007,5008
5007 WRITE(3,419)
5007 FORMAT(1,1,10X,1,PAPORTUL VITEZA UNGHILARA/RAZA OMEGA*TETA/R,/,1,10X,1,*)
2*****
CALL SCRIE(IN,KN,DX,NN,N,NYK,NX)
GO TO 5003
5008 IF(J-4) 5010,5009,5010
5009 WRITE(3,404)
5009 FORMAT(1,1,10X,1,DUBLUL ENERGIEI CINETICE E,/,1,10X,1,*)
2*****
DO 7000 I=1,N
IF(DX(I).LT.0) DX(I)=-DX(I)
7000 CONTINUE
CALL SCRIE(IN,KN,DX,NN,N,NYK,NX)
GO TO 5003
5010 WRITE(3,416)
5010 FORMAT(1,1,10X,1,PATRATUL PULSATIEI TURBULENTE W,/,1,10X,1,*)
2*****
DO 7001 I=1,N
IF(DX(I).LT.0) DX(I)=-DX(I)
7001 CONTINUE
CALL SCRIE(IN,KN,DX,NN,N,NYK,NX)
IF(ISC=1) 7004,7003,7004
K=23
7003 WRITE(3,403)
WRITE(3,403)
FORMAT(1,1,10X,1,VITEZA AXIALA,/,1,10X,1,*)
READ(4,K)DX
CALL SCRIE(IN,KN,DX,NN,N,NYK,NX)
K=7
WRITE(3,407)
WRITE(3,407)
FORMAT(1,1,10X,1,VITEZA TANGENTIALA VETA,/,1,10X,1,*)
READ(4,K)DX
748



```



```

D05 FORTRAN IV 360N-FO-475 3-5      MAINPGW      DATE 17/02/84      TIME 18.17.06      PAGE 0011
0749 CALL SCRIBE(IN,KN,DX,NN,N,NYK,NX)
0750 K=8
0751 WRITE(3,418)
0752 FORMAT(11,10X,'VITEZA RADIALA',/,10X,'*****')
0753 READ(4,K)DX
0754 CALL SCRIBE(IN,KN,DX,NN,N,NYK,NX)
0755 K=15
0756 WRITE(3,409)
0757 FORMAT(11,10X,'VITEZA UNGHULARA OMEGA-TETA',/,10X,'*****')
0758 2*****
0759 READ(4,K)DX
0760 CALL SCRIBE(IN,KN,DX,NN,N,NYK,NX)
0761 K=25
0762 WRITE(3,4016)
0763 FORMAT(11,10X,'ETAT',/,10X,'*****')
0764 READ(4,K)DX
0765 CALL SCRIBE(IN,KN,DX,NN,N,NYK,NX)
0766 7004 IF(NIT) 387,100,387
0767 8010 CONTINUE
0768 100 STOP
0769 END

```

SYMBOL /XM	LOCATION 0	SYMBOL YMS	COMMON BLOCK /BL1 LOCATION 64	SYMBOL NVX	MAP SIZE C6	SYMBOL RD	LOCATION CC	SYMBOL	LOCATION
------------	------------	------------	-------------------------------	------------	-------------	-----------	-------------	--------	----------

SYMBOL 01	LOCATION 0	SYMBOL 02	COMMON BLOCK /BLOCX LOCATION E10	SYMBOL DX	MAP SIZE IC20	SYMBOL	LOCATION	SYMBOL	LOCATION
-----------	------------	-----------	----------------------------------	-----------	---------------	--------	----------	--------	----------

SYMBOL	LOCATION	SYMBOL	SCALAR MAP LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
WC	938	NW	93C	NIT	940	K40	944	ISD	948
EPS	94C	XA	950	YA	954	XB	958	YB	95C
KC	960	YC	964	XC	968	YD	96C	YB	970
VE	974	XF	978	YF	97C	YX	98C	YB	984
I1	988	ASR1	98C	ASR2	990	ASR3	994	ETF	984
CI	99C	C2	9A0	C3	9A4	CITA	9A8	SIGE	998
SIGW	9B0	CDE	9B4	NXX	9B8	K	9BC	NVK	9C0
AB	9C4	N	9C8	NGR	9CC	YCC	9DC	IVK	9C0
ENMAX	9D8	KNMAX	9DC	J	9EC	NVT	9E4	IVVXX	9D4
ALL	9EC	KK	9F0	YI	9FF	VFF	9FC	XI	9FC
KFF	A00	MI	A04	ANSXI	A08	ANSY	A0C	IER	A10
PAX	A14	PSC	A18	DMAXI	A1C	AP	A20	DH	A24
KRI	A28	IP	A2C	IFF	A30	KR2	A34	FR2	A38
NPCT	A3C	NP*	A40	KS	A44	LS	A48	NV	A4C
VAS	A50	SF	A54	K16	A58	KAS	A6C	I1	A60
I2	A64	N4	A68	NC	A7C	N2	A7C	K22	A74
I22	A78	N4	A7C	I44	A80	K44	A84	N1	A74
I11	A8C	K11	A90	N5	A94	N8	A98	N3	A88
I133	A9C	H1	AA4	N6	AA8	H3	AAC	AF	A88
J1	AA0	K33	AA8	H2	ABC	H3	ACC	H4	AC4
E1	AA4	H1	AB8	E33	AB8	E3	ADA	E44	AC4
E4	AC8	DV2	ACC	SEH	AD0	F1	AEB	F2	AD8
F3	ADC	F4	AEO	EJ	AE4	IVV	AFC	IT	AEC
NP*	AFO	I11	AE4	ASR	AFC	DFV	AFC	K17	B00
IG	B04	KG	B08	DFX	B20	DFV	B24	CI	B14
CO	B18	IX	B30						B28

SYMBOL	LOCATION	SYMBOL	ARRAY MAP LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
W	B34	BF	B98	CF	BAC	D4	BC0	DS	19D0
VCL	27E0	VTW	27F4	IR	286C	X	28E4	Y	295C
IN	29D4	KN	37E4	NN	45F4	ING	5404	KNG	3724
NNG	5A44	V	5D64	IET	A3B4	KET	A3C8	ELOC	A3DC
YLOC	A3F0	KLCC	A404	ETOT	A41E	XDX	A47C	XW	AAE0
YDE	A544	YTT	A58C	VDVX	A634	DFXD	A648	DFPD	B458
R	C268	VRIN	D078	PVXW	D0DC	VDVT	E140	DVXW	D1A4
ETAT	D208	RIN	E018		E07C	VS	E0EC		

SYMBOL	LOCATION	SYMBOL	SUBPROGRAMS CALLED LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	E158	TERPOL	E15C	RKMOD	E160	DICCS#	E164	DERIVI	E168
RAZA	E16C	SURSEC	E170	SRMSAP	E174	SCRIE	E178	ALOG	E17C
EXP	E180	SGRT	E184						

SYMBOL	LOCATION	SYMBOL	FORMAT STATEMENT MAP LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
1001	E660	1	E718	2	E723	2010	E72C	3599	E735
11	E786	13	E7CC	881	E7FE	1115	E804	3999	E83F
47	E858	3899	E861	882	E876	81	E87C	2100	E88E
666	E897	587	E8A5	350	E8C3	401	E8F7	410	E932
406	E97A	419	E9D3	404	EA3C	416	EAB1	400	EAD0
407	EAFB	418	EB3C	405	EB69	4016	EBB2		

LOCATION	STA NUM	LABEL	STATEMENT	LABEL MAP	LOCATION	STA NUM	LABEL	STATEMENT	LABEL MAP
00ED54	11			00ED5C	12			00ED64	13
00ED6C	14			00ED74	15			00ED7C	16
00ED84	17	1111		00ED9C	19			00EE2C	21
00EE84	22			00EEAC	24			00EE28	26
00EE9C	27			00EEFA4	29			00EEFC	30
00EEFBC	31			00EEFCA	32			00EEFE6	33
00EEFE2	34			00EEFE	35			00FE034	36
00F03A	37	5		00F052	38	6		00F07C	39
00F08C	40	4		00F0A8	41			00F0BC	42
00F0CC	43	1E		00F0DC	45	10		00F0E2	46
00F0FC	48	1E		00F10E	52	17		00F11A	50
00F136	51	1E		00F14A	55	17		00F152	53
00F15A	54			00F160	58	22		00F178	56
00F188	57			00F1BE	58	30		00F19A	59
00F1A2	60			00F1AA	61	30		00F1B6	62
00F1CA	63	32		00F1EC	64	33		00F1FE	65
00F23C	66			00F24A	67			00F27C	68
00F282	69	34		00F2A6	70			00F2C4	71
00F2D2	72			00F2F4	73	35		00F310	74
00F31E	75			00F340	76	36		00F36E	77
00F382	78			00F390	79	36		00F384	80
00F3FE	81			00F3FC	82	39		00F41E	83
00F43A	84			00F442	85			00F44E	86
00F45A	87	6CC		00F48C	88			00F49C	89
00F4AC	90	41		00F4BC	91			00F4C2	92
00F4D2	93	44		00F4E2	94			00FAE8	95
00F4FC	96			00F510	97			00FS1E	98
00F524	99			00F52A	100	43		00FS3A	101
00F546	102			00F54E	103			00FS56	104
00F566	105			00F57C	106			00FS92	107
00F5AE	108	8E6		00F61C	109			00F67E	111
00F68C	112			00F698	113			00F6AE	114
00F6C4	115	E59		00F700	116			00F72C	117
00F734	118			00F73C	119			00F79C	120
00F77AE	121			00F7B6	122	900		00F7CA	123
00F7DE	124	8C1		00F7E6	125			00F80C	126
00F818	127	8C0		00F834	128			00F846	129
00F84E	130			00F862	131			00F876	132
00F87E	133			00F8A4	134			00F880	135
00F8CC	136			00F93C	137			00F99E	138
00F9AA	139			00F9B2	140	34566		00F9D4	141
00F9EA	142			00F9EA	143	34568		00FA22	145
00FA12	146			00FA1A	147			00FA4E	151
00FA2A	149	811		00FA3E	150			00FAB0	154
00FA62	152			00FA70	153			00FAEG	158
00FAC4	155			00FACC	157			00FAE6	162
00FAFO	159			00FAF6	161	813		00FB06	168
00FB3E	163			00FB4A	164	815		00FB52	171
00FB64	166			00FB6C	167			00FB9A	174
00FB84	169	816		00FB8C	170			00FBC4	177
00FB8E	172			00FBFC	173			00FC24	179
00FC48	177			00FC6C	178			00FC7E	182
00FC84	180			00FC94	181	5097		00FC8C	185
00FD1A	183			00FD20	184	5096		00FD2C	189
00FD4C	187	5100		00FD58	188			00FD80	193
00FD08	191			00FD5C	192	51		00FDF4	196
00FE08	194			00FE32	195	55		00FE42	199
00FE48	197			00FE5C	198			00FE76	202
00FE98	200			00FEAE	201			00FEA8	205
00FE18	203			00FE28	204			00FF54	208
00FE3E	206			00FEAE	207	3620		00FFA0	211
00FE6E	209			00FFD2	210	3621		00FFEE	214
00FE9E	215			010006	216			01001A	217
010022	218	3E22		010050	219			01005C	220
010078	221	3E23		01008C	222			01009E	223
0100F8	224	3E24		010118	229			01012C	227
010134	228			010164	232			010174	230
010184	231			01018A	234	859		01019C	235
0101A4	236			0101BB	237			0101CC	238
0101D4	239			0101FA	240			010206	241
010222	242			010234	243			01023C	244
010250	248			010264	246	97		01028E	247
010292	249			0102A8	249			01029E	250
01031A	251	9E		0102E6	252			0102F6	253
010380	254	23C0		0103E6	255			0103AC	257
010404	258	24C1		010420	259	2400		0103FE	260
010444	265	2600		010480	262			01047E	263
					266			01046E	267



DOS FORTRAN IV 360N-FC-475 3-5	MAINPGM	DATE	TIME	PAGE
011C72	525	3005	011C84	526
011CAA	528	36C1	011C86	529
011D14	531		011D3C	532
011D84	534		011D48	535
011DBC	537	3611	011D06	538
011DF4	540		011DFA	541
011E22	543		011E30	544
011E4C	546		011E52	547
011E72	549		011E86	550
011E9C	552	3616	011EE4	553
011ED6	555	3615	011EEE	556
011F0C	558		011FFC	559
011FAC	562		011FGC	563
011F94	565	835	011FA0	566
011FC8	568		011FD8	569
011FF2	571		012006	572
012022	574		012030	575
012054	577		01205A	578
012080	580		012090	581
0120AE	583		0120B4	585
0120FC	587		01210C	588
012140	590	843	01214C	591
012174	593		012184	594
01219E	596		0121B2	597
0121CE	599		0121DC	600
012200	602		012206	603
01222C	605		01223C	606
01225A	608		012260	610
01229C	612	335	0122CA	613
0122FC	615	341	012322	615
01235C	618	342	01238C	619
0123A4	621	36C3	0123BE	622
0123DC	624		0123E2	625
01240A	627		012418	628
012434	630		01244C	631
012464	633	36CE	01247C	634
01249A	636		0124A0	637
0124CE	640	3CC1	0124F8	641
012538	643		012548	644
012562	646	347	012582	647
0125CC	649	345	0125E0	650
012634	652		01263C	653
012662	655	355	012670	656
012686	658		01269A	659
0126BC	661		0126CA	662
0126EC	664		0126FC	665
012714	667		012728	668
012746	670		012756	671
012784	674	351	0127A4	675
012826	677		012800	678
012878	680		01282E	681
0128C8	683		012898	684
012906	686		0128D4	687
01293A	689		012916	690
01299C	692		01294C	693
0129CE	695	5CC6	0129AE	697
012A3E	700		0129FE	701
012A7A	704		012A3E	705
012AB8	707		012AA0	709
012B1C	711	5C02	012AC4	712
012B8E	715		012B00	716
012C02	718		012B4A	719
012C3C	721	5C07	012B80	723
012C80	725	5C0E	012BA8	726
012CAE	729		012BEC	730
012CF6	732		012C20	733
012D38	736		012C64	737
012D9E	740		012CA2	744
012DE6	744		012CE8	748
012E26	748		012D18	751
012E4E	751		012D4E	755
012E8E	754		012D96	759
012EE6	758		012DD8	763
012F36	761		012E08	766
012F8E	765	7CC4	012E48	767
TOTAL MEMORY REQUIREMENTS 012ESA BYTES				
HIGHEST SEVERITY LEVEL OF ERRORS FOR THIS MODULE WAS C				

16.22.51.TOTAL COMPILATION TIME,00.15.30

// EXEC LINKEDT

JOB ETBIB 17/02/84 DISK LINKAGE EDITOR DIAGNOSTIC OF INPUT

ACTION	TAKEN	MAP	ALI
LIST	AUTOLINK		ATSG
LIST	AUTOLINK		ILFDIOCS
LIST	AUTOLINK		ILFIBCOM
LIST	AUTOLINK		ILFADCOM
LIST	AUTOLINK		ILFFINT
LIST	AUTOLINK		ILFFIOCS
LIST	AUTOLINK		IJJCPDI
LIST	AUTOLINK		ILFSEXP
LIST	AUTOLINK		ILFSLQG
LIST	AUTOLINK		ILFSSQRT
LIST	AUTOLINK		ILFUNTAB
LIST	ENTRY		

17/02/84	PHASE	XFR-AD	LCCORE	HICORE	DSK-AD	ESD TYPE	LABEL	LOADED	REL-FR
COMMON						COM	BLOCC	007000	002A30
COMMON						COM	BL1	009A30	000000
COMMON	PHASE***	0123E8	009B00	02979F	6A 04 1	CSECT	SCRIB	009B00	009B00
						CSECT	ILFIBCOM	025CB0	025CB0
						ENTRY	IBCGM#	025CB0	
						ENTRY	READSW	026B40	
						ENTRY	OPSYS	0269E4	
						ENTRY	INTSW	026E42	
						ENTRY	POPAR	026958	
						ENTRY	DUMPSW#	0268E2	
						ENTRY	IJTINTS#	026842	
						ENTRY	IOSWF	025DA1	
						CSECT	DERIVI	00A040	00A040
						CSECT	RAZA	00C4D8	00C4D8
						CSECT	SURSEC	00C688	00C688
						CSECT	ILFSSQRT	0295F0	0295F0
						ENTRY	SQRT	0295F0	
						ENTRY	IJTSSQT	0295F0	
						CSECT	TERPOL	00CE88	00CE88
						CSECT	ATSG	025610	025610
						CSECT	ALI	025248	025248
						CSECT	RKMOD	000370	000370
						CSECT	SRTN	00D9C8	00D9C8
						CSECT	SURSAP	00DCC8	00DCC8
						CSECT	MAINPGM	0123E8	0123E8
						CSECT	ILFDIOCS	025A18	025A18
						ENTRY	DIOCS#	025A18	
						ENTRY	ILFDIOCR	025AAE	
						CSECT	ILFSLDG	0294E0	0294E0
						ENTRY	ALDG	0294FC	
						ENTRY	ALDGL	0294E0	
						ENTRY	IJTSLOG	0294E0	
						CSECT	ILFSEXP	0293C0	0293C0
						ENTRY	EXP	0293C0	
						ENTRY	IJTEXPN	0293C0	
						CSECT	ILFUNTAE	0296A0	0296A0
						CSECT	ILFFINT	027D80	027D80
						ENTRY	SAVERR	028260	
						CSECT	ILFADCON	026C90	026C90
						ENTRY	ILFPCVLD	027786	
						ENTRY	ILFPCVLD	026F12	
						ENTRY	ILFPCVLD	027250	
						ENTRY	ILFPCVLD	0279A0	
						ENTRY	ILFPCVLD	026E82	
						ENTRY	ILFPCVLD	026DDC	
						ENTRY	INT6SW	027D68	
						CSECT	ILFFIOCS	028350	028350
						ENTRY	ADICCR#	028F24	
						ENTRY	ILFFBORG	028FD4	
						ENTRY	ILFFBORG	028FD0	
						ENTRY	IJSYSLO	0290E0	
						ENTRY	UBRSAVE	028FCC	
						CSECT	IJJCPD1	0291C8	0291C8
						ENTRY	IJJCPD1	0291C8	
						ENTRY	IJJCPD3	0291C8	
						CSECT	IJ2L0005	029158	028350



```
// DLBL UOUT.'FISCRISTEA'.C.110.25  
// EXTENT SYS004.111111.1.110.25  
// ASSGN SYS004.X.191'  
// EXEC CLRCSK
```

```

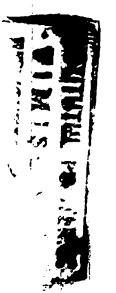
CLEAR DISK UTILITY
UTILITY CONTROL CARDS
// UCL B=(K=0.D=3600).X*00*.CY.E=(231F)
// END
SPECIFIED PARAMETERS
KEY LENGTH - 0
DATA LENGTH - 3600
FILL CHARACTER - X*00*
OUTPUT PARAMETER - Y
DEVICE TYPE - 2311
RECORDS/TRACK - 1
EXTENT
SEQ. NO. 000 000 011 000 000 000 000 000
          C1  C2  H1  H2  C1  C2  H1  H2
          LOWER LIMIT
          UPPER LIMIT
          C1  C2  H1  H2
          000 013 000 004
END OF JOB

```

```

**PROGRAM CURGEREA IZOTERMA IN FOCAR AXIAL SIMETRIC**
**CURGEREA IZOTERMA IN FOCAR AXIAL SIMETRIC**
ASR1= 0.3000E 00 ASR2= 0.7000E 00 ASR3= 0.2000E 00 ETF= 0.5000E-02 R0= 0.1200E 01
C1= 0.7000E 01 C2= 0.1900E 00 C3= 0.1900E 01 CITA= 0.7070E 00
STIGE= 0.9000E 00 SIGW= 0.9000E 00 CDE= 0.3180E-01 XF= 0.5000E-02 IER= 0
ANSK= 0.5000E-02 ANSY= -0.4204E-03 XI= 0.5000E-01 IER= 0
ANSK= 0.1500E-01 ANSY= -0.1156E-02 XI= 0.1000E-01 IER= 0
ANSK= 0.2000E-01 ANSY= -0.2297E-02 XI= 0.1500E-01 IER= 0
ANSK= 0.3000E-01 ANSY= -0.3133E-02 XI= 0.2000E-01 IER= 0
ANSK= 0.3500E-01 ANSY= 0.1094E-01 XI= 0.3000E-01 IER= 0
ANSK= 0.4000E-01 ANSY= 0.2291E-01 XI= 0.3500E-01 IER= 0
ANSK= 0.4500E-01 ANSY= 0.3265E-01 XI= 0.4000E-01 IER= 0
DMAXI= 0.1000E 00 AM= 0.1000E 00
DME= 0.1000E 00 I= 1
DME= 0.9048E-01 I= 6
DME= 0.8187E-01 I= 12
DME= 0.7408E-01 I= 19
DME= 0.6703E-01 I= 27
DME= 0.6065E-01 I= 36
DME= 0.5488E-01 I= 46
DME= 0.4965E-01 I= 57
DME= 0.4493E-01 I= 69
DME= 0.4066E-01 I= 82
DME= 0.3679E-01 I= 104
DME= 0.3329E-01 I= 126
DME= 0.3012E-01 I= 148
DME= 0.2725E-01 I= 170
DME= 0.2466E-01 I= 192
DME= 0.2231E-01 I= 214
DME= 0.2019E-01 I= 236
DME= 0.1827E-01 I= 258
DME= 0.1653E-01 I= 280
DME= 0.1496E-01 I= 302
DME= 0.1353E-01 I= 324
DME= 0.1225E-01 I= 341
DME= 0.1143E-01 I= 326
DME= 0.7465E 01 I= 134
DME= 0.3174E 01 I= 134
DME= 0.4259E 00 I= 8
DME= 0.1852E 00 I= 8
DME= 0.1514E 00 I= 6
DME= 0.1576E 00 I= 6
DME= 0.1634E 00 I= 6
DME= 0.1662E 00 I= 6
DME= 0.2177E 00 I= 215
DME= 0.2655E 00 I= 215
DME= 0.3479E 00 I= 215
DME= 0.5084E 00 I= 215
DME= 0.6190E 00 I= 215
DME= 0.4474E 00 I= 237
DME= 0.3926E 00 I= 237
DME= 0.3478E 00 I= 237
DME= 0.3112E 00 I= 259
DME= 0.2939E 00 I= 259
DME= 0.2686E 00 I= 259
DME= 0.2471E 00 I= 259
DME= 0.2290E 00 I= 281
DME= 0.2132E 00 I= 281
DME= 0.1971E 00 I= 281
DME= 0.1814E 00 I= 303
DME= 0.1714E 00 I= 303
DME= 0.1520E 00 I= 303
DME= 0.1200E 00 I= 303
DME= 0.1296E 00 I= 303
DME= 0.1032E 00 I= 303
DME= 0.1270E 00 I= 193
DME= 0.1009E 00 I= 193
DME= 0.1249E 00 I= 193
DME= 0.0922E 00 I= 193
DME= 0.1222E 00 I= 193
DME= 0.9744E-01 I= 193
DME= 0.1201E-01 I= 193
DME= 0.9567E-01 I= 193
DME= 0.1181E-01 I= 193
DME= 0.9391E-01 I= 193
DME= 0.1162E-01 I= 193
DME= 0.9215E-01 I= 193
DME= 0.1144E 00 I= 193
C1= 0.1733E 02 I= 325
C1= 0.4722E 00 I= 220
C1= 0.1992E 00 I= 8
C1= 0.1653E 00 I= 8
C1= 0.1584E 00 I= 8
C1= 0.1743E 00 I= 215
C1= 0.2012E 00 I= 215
C1= 0.2386E 00 I= 215
C1= 0.2968E 00 I= 215
C1= 0.3949E 00 I= 215
C1= 0.5885E 00 I= 215
C1= 0.6662E 00 I= 193
C1= 0.1112E 01 I= 193
C1= 0.3678E 00 I= 237
C1= 0.3216E 00 I= 237
C1= 0.3079E 00 I= 259
C1= 0.2802E 00 I= 259
C1= 0.2577E 00 I= 259
C1= 0.2377E 00 I= 259
C1= 0.210E 00 I= 281
C1= 0.2345E 00 I= 281
C1= 0.2222E 00 I= 281
C1= 0.2072E 00 I= 281
C1= 0.1599E 00 I= 303
C1= 0.1352E 00 I= 303
C1= 0.1151E 00 I= 303
C1= 0.1303E 00 I= 303
C1= 0.1047E 00 I= 303
C1= 0.1277E 00 I= 193
C1= 0.1028E 00 I= 193
C1= 0.1231E 00 I= 193
C1= 0.1009E 00 I= 193
C1= 0.1231E 00 I= 193
C1= 0.9906E-01 I= 193
C1= 0.1210E 00 I= 193
C1= 0.9720E-01 I= 193
C1= 0.1192E 00 I= 193
C1= 0.9536E-01 I= 193
C1= 0.1171E-01 I= 193
C1= 0.9352E-01 I= 193
C1= 0.1152E-01 I= 193
C1= 0.9172E-01 I= 193
C2= 0.9661E 01 I= 120
C2= 0.9582E 00 I= 134
C2= 0.2061E 00 I= 8
C2= 0.1720E 00 I= 8
C2= 0.1556E 00 I= 8
C2= 0.1603E 00 I= 216
C2= 0.1778E 00 I= 216
C2= 0.2063E 00 I= 216
C2= 0.2492E 00 I= 216
C2= 0.3186E 00 I= 215
C2= 0.4451E 00 I= 215
C2= 0.6040E 00 I= 215
C2= 0.5412E 00 I= 215
C2= 0.4207E 00 I= 237
C2= 0.3699E 00 I= 237
C2= 0.3232E 00 I= 259
C2= 0.3084E 00 I= 259
C2= 0.2809E 00 I= 259
C2= 0.2575E 00 I= 259
C2= 0.2381E 00 I= 259
C2= 0.2207E 00 I= 281
C2= 0.1885E 00 I= 281
C2= 0.1522E 00 I= 281
C2= 0.1246E 00 I= 281
C2= 0.1188E 00 I= 303
C2= 0.1066E 00 I= 303
C2= 0.1166E 00 I= 303
C2= 0.1049E 00 I= 303
C2= 0.1246E 00 I= 303
C2= 0.9286E-01 I= 303
C2= 0.8605E-01 I= 193
C2= 0.1127E 00 I= 193
C2= 0.8495E-01 I= 193
C2= 0.1109E 00 I= 193
C2= 0.8375E-01 I= 193
C2= 0.1092E 00 I= 193
C2= 0.8248E-01 I= 193
C2= 0.1075E-01 I= 193
C2= 0.8115E-01 I= 193
C2= 0.1059E-01 I= 193
C2= 0.7978E-01 I= 193
C3= 0.5978E 01 I= 325
C3= 0.8475E 00 I= 134
C3= 0.5009E 00 I= 8
C3= 0.2080E 00 I= 8
C3= 0.1739E 00 I= 8
C3= 0.1591E 00 I= 216
C3= 0.1649E 00 I= 216
C3= 0.1729E 00 I= 216
C3= 0.1972E 00 I= 216
C3= 0.2383E 00 I= 215
C3= 0.3076E 00 I= 215
C3= 0.4486E 00 I= 215
C3= 0.6003E 00 I= 215
C3= 0.4795E 00 I= 215
C3= 0.4279E 00 I= 237
C3= 0.3753E 00 I= 237
C3= 0.3268E 00 I= 259
C3= 0.3096E 00 I= 259
C3= 0.2824E 00 I= 259
C3= 0.2586E 00 I= 259
C3= 0.2389E 00 I= 259
C3= 0.2208E 00 I= 281
C3= 0.1857E 00 I= 281
C3= 0.1520E 00 I= 281
C3= 0.1248E 00 I= 281
C3= 0.1187E 00 I= 303
C3= 0.1070E 00 I= 303
C3= 0.1268E 00 I= 303
C3= 0.1070E 00 I= 303
C3= 0.1248E 00 I= 303
C3= 0.9922E-01 I= 303
C3= 0.9770E-01 I= 193
C3= 0.1220E 00 I= 193
C3= 0.9610E-01 I= 193
C3= 0.1198E 00 I= 193
C3= 0.9447E-01 I= 193
C3= 0.1178E 00 I= 193
C3= 0.9282E-01 I= 193
C3= 0.1159E-01 I= 193
C3= 0.9115E-01 I= 193
C3= 0.1140E-01 I= 193
C3= 0.8948E-01 I= 193

```



52	0.9047E-01	193	0.1133E-00	193	0.1094E-00	193	0.1123E-00	193	0.1125E-00	193
53	0.1127E-00	193	0.8994E-01	193	0.7839E-01	193	0.8782E-01	193	0.8782E-01	193
54	0.8268E-01	193	0.1118E-00	193	0.1029E-00	193	0.1106E-00	193	0.1106E-00	193
55	0.1110E-00	193	0.8618E-01	193	0.7699E-01	193	0.8616E-01	193	0.8616E-01	193
56	0.8697E-01	193	0.1102E-00	193	0.1014E-00	193	0.1089E-00	193	0.1089E-00	193
57	0.1093E-00	193	0.8643E-01	193	0.7538E-01	193	0.8452E-01	193	0.8452E-01	193
58	0.8528E-01	193	0.1086E-00	193	0.1000E-00	193	0.1074E-00	193	0.1074E-00	193
59	0.1078E-00	193	0.8475E-01	193	0.7416E-01	193	0.8289E-01	193	0.8289E-01	193
60	0.8361E-01	193	0.1071E-00	193	0.9863E-01	193	0.1058E-00	193	0.1058E-00	193





PRODUSUL RAZA-IMPULS SPECIFIC RIVETA

COLDANA 1	0.0	0.1400E-01	0.2240E-02	0.9520E-00	0.0	0.3257E-01	-0.0	0.2502E-01	-0.0	0.0
COLDANA 2	0.0	0.2072E-01	0.4563E-02	0.1369E-01	0.0	0.3725E-02	0.2502E-01	0.2502E-01	-0.0	0.0
COLDANA 3	0.0	0.1244E-02	0.5903E-03	0.1491E-01	0.0	0.7054E-02	0.2006E-02	0.1965E-01	0.0	0.0
COLDANA 4	0.0	0.1188E-02	0.1017E-02	0.9174E-02	0.0	0.6609E-02	0.5984E-02	0.4292E-03	0.1571E-01	0.0
COLDANA 5	0.0	0.1192E-02	0.1637E-01	0.6925E-02	0.0	0.6609E-02	0.5984E-02	0.4292E-03	0.1571E-01	0.0
COLDANA 6	0.0	0.7697E-03	0.1691E-01	0.6619E-02	0.0	0.6981E-02	0.6229E-02	0.4892E-02	0.2080E-02	0.0
COLDANA 7	0.0	0.1273E-01	0.2427E-01	0.7070E-02	0.0	0.7300E-02	0.6299E-02	0.5614E-02	0.5973E-02	0.0
COLDANA 8	0.0	0.1147E-02	0.1772E-01	0.6568E-02	0.0	0.6448E-02	0.5932E-02	0.4665E-02	0.5670E-02	0.0
COLDANA 9	0.0	0.3298E-02	0.8618E-02	0.7451E-02	0.0	0.2738E-01	0.2508E-01	0.5359E-02	0.5629E-02	0.0
COLDANA 10	0.0	0.3899E-02	0.1647E-01	0.7177E-02	0.0	0.3780E-02	0.6035E-02	0.2259E-01	0.1991E-01	0.0
COLDANA 11	0.0	0.2887E-02	0.4193E-02	0.6576E-04	0.0	0.4498E-02	0.1873E-02	0.5300E-02	0.5429E-02	0.0
COLDANA 12	0.0	0.1706E-01	0.5357E-03	0.2826E-01	0.0	0.2627E-02	0.1873E-02	0.3971E-03	0.1753E-02	0.0
COLDANA 13	0.0	0.2950E-02	0.1401E-01	0.1079E-02	0.0	0.7073E-03	0.415E-02	0.5300E-02	0.1753E-02	0.0
COLDANA 14	0.0	0.9174E-03	0.3271E-02	0.2597E-02	0.0	0.7073E-03	0.415E-02	0.5300E-02	0.1753E-02	0.0
COLDANA 15	0.0	0.2810E-05	0.7674E-04	0.6175E-03	0.0	0.4275E-02	0.6030E-02	0.4132E-02	0.3714E-02	0.0
COLDANA 16	0.0	0.2366E-02	0.2203E-03	0.1267E-02	0.0	0.1290E-02	0.2142E-02	0.4132E-02	0.4483E-02	0.0
COLDANA 17	0.0	0.2382E-02	0.1462E-04	0.6118E-02	0.0	0.3641E-02	0.2142E-02	0.1024E-02	0.2140E-02	0.0
COLDANA 18	0.0	0.2741E-02	0.5541E-03	0.3521E-02	0.0	0.1605E-02	0.7557E-02	0.5122E-02	0.5135E-02	0.0
COLDANA 19	0.0	0.317E-02	0.7387E-05	0.1963E-02	0.0	0.2777E-02	0.1297E-02	0.7653E-02	0.1884E-03	0.0
COLDANA 20	0.0	0.2532E-02	0.6104E-03	0.5520E-00	0.0	0.1978E-02	0.1063E-02	0.1407E-03	0.1392E-02	0.0
COLDANA 21	0.0	0.3117E-02	0.2257E-02	0.2892E-02	0.0	0.1847E-02	0.6697E-02	0.4468E-02	0.4780E-02	0.0
COLDANA 22	0.0	0.1572E-02	0.4635E-03	0.1891E-02	0.0	0.3492E-02	0.2146E-02	0.1142E-02	0.1252E-02	0.0
COLDANA 23	0.0	0.127E-02	0.1163E-02	0.4581E-02	0.0	0.1212E-02	0.5530E-02	0.3738E-02	0.3665E-02	0.0
COLDANA 24	0.0	0.1266E-02	0.9598E-05	0.3678E-00	0.0	0.492E-02	0.2146E-02	0.1142E-02	0.2043E-02	0.0
COLDANA 25	0.0	0.3476E-04	0.1130E-02	0.4435E-02	0.0	0.8449E-03	0.5530E-02	0.3738E-02	0.3665E-02	0.0
COLDANA 26	0.0	0.1648E-02	0.2646E-05	0.1795E-02	0.0	0.2130E-03	0.4306E-02	0.2347E-02	0.3704E-02	0.0
COLDANA 27	0.0	0.1837E-02	0.1388E-02	0.6165E-02	0.0	0.706E-03	0.3360E-02	0.2347E-02	0.2353E-02	0.0
COLDANA 28	0.0	0.1648E-02	0.5596E-03	0.1617E-02	0.0	0.5866E-02	0.4528E-02	0.3531E-02	0.3814E-02	0.0
COLDANA 29	0.0	0.2759E-02	0.1859E-04	0.1538E-02	0.0	0.4019E-03	0.2871E-02	0.2007E-02	0.3015E-02	0.0
COLDANA 30	0.0	0.6274E-02	0.2567E-02	0.6660E-02	0.0	0.5959E-03	0.5378E-02	0.4651E-02	0.4754E-02	0.0
COLDANA 31	0.0	0.1000E-01	0.5421E-03	0.2713E-02	0.0	0.1541E-02	0.1100E-02	0.7313E-03	0.2351E-02	0.0
COLDANA 32	0.0	0.8069E-02	0.2701E-01	0.2070E-01	0.0	0.1633E-01	0.1469E-01	0.1299E-01	0.1321E-01	0.0
COLDANA 33	0.0	0.1000E-01	0.8069E-02	0.2070E-01	0.0	0.5003E-02	0.2671E-02	0.2049E-02	0.1669E-03	0.0







DUBLU ENERGI EI CINETICE E									
*****									
COLOANA 1	0.1350E-02	0.1350E-02	0.1350E-02	0.1350E-02	0.1350E-02	0.1350E-02	0.1350E-02	0.1350E-02	0.1350E-02
COLOANA 2	0.1441E-02	0.2143E-01	0.4465E-02	0.1363E-01	0.0	0.0	0.0	0.0	0.0
COLOANA 3	0.1456E-02	0.1293E-01	0.5679E-02	0.1472E-01	0.0	0.0	0.0	0.0	0.0
COLOANA 4	0.1326E-02	0.1283E-02	0.9381E-03	0.9025E-02	0.7646E-02	0.2006E-02	0.0	0.0	0.0
COLOANA 5	0.1444E-02	0.1314E-02	0.1505E-01	0.6933E-02	0.6599E-02	0.5982E-02	0.4291E-03	0.0	0.0
COLOANA 6	0.1779E-02	0.8472E-03	0.1559E-01	0.6570E-02	0.6962E-02	0.6226E-02	0.4891E-02	0.2082E-02	0.0
COLOANA 7	0.2195E-02	0.8057E-03	0.2177E-01	0.7017E-02	0.7278E-02	0.6296E-02	0.5612E-02	0.5979E-02	0.0
COLOANA 8	0.1145E-02	0.0	0.1656E-01	0.6529E-02	0.6431E-02	0.5928E-02	0.4663E-02	0.5677E-02	0.0
COLOANA 9	0.3295E-02	0.5787E-03	0.0	0.0	0.7400E-02	0.6502E-02	0.5802E-02	0.6055E-02	0.0
COLOANA 10	0.2863E-02	0.5404E-03	0.1531E-01	0.0	0.0	0.6111E-02	0.5357E-02	0.5640E-02	0.0
COLOANA 11	0.5021E-02	0.4193E-02	0.2520E-01	0.7414E-02	0.7107E-02	0.0	0.0	0.0	0.0
COLOANA 12	0.2881E-02	0.3472E-02	0.2592E-02	0.4497E-02	0.0	0.0	0.0	0.0	0.0
COLOANA 13	0.5176E-02	0.5956E-03	0.1424E-01	0.7199E-02	0.6856E-02	0.6032E-02	0.5298E-02	0.5436E-02	0.0
COLOANA 14	0.2946E-02	0.3271E-02	0.2596E-02	0.4191E-03	0.2628E-02	0.1873E-02	0.5971E-03	0.1753E-02	0.0
COLOANA 15	0.9174E-03	0.1271E-02	0.1311E-02	0.7720E-03	0.7073E-03	0.4112E-02	0.3042E-02	0.3723E-02	0.0
COLOANA 16	0.5287E-02	0.1018E-03	0.2957E-01	0.6372E-02	0.5609E-02	0.6028E-02	0.4132E-02	0.4483E-02	0.0
COLOANA 17	0.2803E-05	0.5206E-03	0.6175E-03	0.4014E-02	0.2744E-03	0.0	0.0	0.0	0.0
COLOANA 18	0.2366E-02	0.2012E-03	0.1264E-02	0.3215E-02	0.1290E-02	0.0	0.0	0.0	0.0
COLOANA 19	0.6314E-02	0.1583E-04	0.4905E-01	0.4259E-02	0.3630E-02	0.2140E-02	0.1235E-02	0.2146E-02	0.0
COLOANA 20	0.2375E-02	0.1522E-02	0.2538E-02	0.6117E-02	0.1506E-02	0.7555E-02	0.5122E-02	0.5135E-02	0.0
COLOANA 21	0.5335E-02	0.8094E-05	0.1954E-02	0.3511E-02	0.1250E-02	0.0	0.0	0.0	0.0
COLOANA 22	0.3260E-02	0.2266E-03	0.3144E-02	0.6525E-02	0.1978E-02	0.1295E-02	0.1883E-03	0.1486E-02	0.0
COLOANA 23	0.2741E-02	0.6620E-03	0.2102E-02	0.3360E-02	0.1159E-02	0.7651E-02	0.5136E-02	0.5015E-02	0.0
COLOANA 24	0.2930E-02	0.3473E-04	0.7409E-01	0.3359E-02	0.2660E-02	0.1216E-02	0.1406E-03	0.1396E-02	0.0
COLOANA 25	0.3148E-02	0.2231E-02	0.3022E-02	0.6193E-02	0.1895E-02	0.7138E-02	0.14780E-02	0.4633E-02	0.0
COLOANA 26	0.2040E-02	0.6142E-03	0.1932E-02	0.3097E-02	0.1055E-02	0.0	0.0	0.0	0.0
COLOANA 27	0.3106E-02	0.2257E-02	0.5176E-00	0.5310E-02	0.2459E-02	0.1062E-02	0.6695E-02	0.1823E-04	0.0
COLOANA 28	0.2353E-02	0.6021E-03	0.1882E-02	0.2883E-02	0.9658E-03	0.0	0.0	0.0	0.0
COLOANA 29	0.1567E-02	0.4782E-05	0.3499E-00	0.4344E-02	0.3480E-02	0.2144E-02	0.1142E-02	0.2049E-02	0.0
COLOANA 30	0.1972E-02	0.3688E-03	0.1205E-02	0.2425E-02	0.5494E-02	0.5528E-02	0.3738E-02	0.3665E-02	0.0
COLOANA 31	0.1152E-02	0.9820E-05	0.2949E-00	0.6158E-02	0.8494E-02	0.0	0.0	0.0	0.0
COLOANA 32	0.1262E-02	0.1130E-02	0.3053E-03	0.2050E-02	0.2130E-03	0.4303E-02	0.3404E-02	0.3714E-02	0.0
COLOANA 33	0.1277E-02	0.3495E-04	0.4709E-03	0.1791E-02	0.7006E-03	0.0	0.0	0.0	0.0
COLOANA 34	0.1152E-02	0.2723E-05	0.2110E-00	0.6712E-02	0.5787E-02	0.4524E-02	0.3629E-02	0.3825E-02	0.0
COLOANA 35	0.1643E-02	0.1388E-02	0.6012E-03	0.1617E-02	0.4020E-03	0.2870E-02	0.2007E-02	0.3015E-02	0.0
COLOANA 36	0.1837E-02	0.5627E-03	0.3089E-03	0.1534E-02	0.5959E-03	0.0	0.0	0.0	0.0
COLOANA 37	0.1152E-02	0.1928E-04	0.2189E-01	0.6648E-02	0.6006E-02	0.5376E-02	0.4650E-02	0.4760E-02	0.0
COLOANA 38	0.2755E-02	0.2566E-02	0.1996E-02	0.1771E-03	0.1542E-02	0.1099E-02	0.7313E-03	0.2351E-02	0.0
COLOANA 39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COLOANA 40	0.1152E-02	0.4066E-03	0.2592E-01	0.2061E-01	0.1662E-01	0.1469E-01	0.1299E-01	0.1322E-01	0.0
COLOANA 41	0.9993E-02	0.8069E-02	0.7644E-02	0.4304E-02	0.5003E-02	0.2670E-02	0.2049E-02	0.1669E-03	0.0
COLOANA 42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COLOANA 43	0.1152E-02	0.4066E-03	0.2592E-01	0.2061E-01	0.1662E-01	0.1469E-01	0.1299E-01	0.1322E-01	0.0
COLOANA 44	0.9993E-02	0.8069E-02	0.7644E-02	0.4304E-02	0.5003E-02	0.2670E-02	0.2049E-02	0.1669E-03	0.0

PATRATUL PULSATIEI TURBULENTE M

COLONANA 1	0.1070E-06	0.3101E-06	0.4030E-06	0.1227E-07	0.3745E-12	0.0	0.0	0.0	0.0
COLONANA 2	0.1043E-06	0.2143E-01	0.4465E-02	0.1363E-01	0.3722E-02	0.0	0.0	0.0	0.0
COLONANA 3	0.1016E-06	0.1293E-02	0.5679E-03	0.1472E-01	0.7046E-02	0.2006E-02	0.0	0.0	0.0
COLONANA 4	0.9898E-05	0.1283E-02	0.9381E-03	0.9025E-02	0.0	0.0	0.0	0.0	0.0
COLONANA 5	0.9396E-05	0.1314E-02	0.1505E-01	0.6833E-02	0.6595E-02	0.5982E-02	0.4291E-03	0.0	0.0
COLONANA 6	0.9155E-05	0.8472E-03	0.1559E-01	0.6570E-02	0.6962E-02	0.6226E-02	0.4891E-02	0.2082E-02	0.0
COLONANA 7	0.8920E-05	0.8057E-03	0.2177E-01	0.7017E-02	0.7278E-02	0.6296E-02	0.5612E-02	0.5979E-02	0.0
COLONANA 8	0.8682E-05	0.5787E-03	0.1656E-01	0.6529E-02	0.6431E-02	0.5928E-02	0.4663E-02	0.5677E-02	0.0
COLONANA 9	0.8553E-05	0.5404E-03	0.0	0.0	0.7400E-02	0.6502E-02	0.5802E-02	0.6055E-02	0.0
COLONANA 10	0.8392E-05	0.8468E-03	0.1531E-01	0.7402E-02	0.0	0.6111E-02	0.5357E-02	0.5640E-02	0.0
COLONANA 11	0.8251E-05	0.6209E-03	0.6576E-04	0.0	0.0	0.0	0.0	0.0	0.0
COLONANA 12	0.8033E-05	0.5206E-03	0.1264E-02	0.4259E-02	0.3630E-02	0.2140E-02	0.1023E-02	0.2146E-02	0.0
COLONANA 13	0.7848E-05	0.1018E-03	0.6175E-03	0.4014E-02	0.1606E-02	0.7555E-02	0.5122E-02	0.5135E-02	0.0
COLONANA 14	0.7666E-05	0.1522E-02	0.2538E-02	0.6117E-02	0.1606E-02	0.1295E-02	0.1883E-03	0.1486E-02	0.0
COLONANA 15	0.7466E-05	0.5574E-03	0.1954E-02	0.3511E-02	0.1250E-02	0.1295E-02	0.5136E-02	0.5015E-02	0.0
COLONANA 16	0.7274E-05	0.6620E-03	0.2102E-02	0.6525E-02	0.1978E-02	0.7651E-02	0.5136E-02	0.1486E-02	0.0
COLONANA 17	0.7174E-05	0.3473E-04	0.7409E-01	0.3350E-02	0.2660E-02	0.1216E-02	0.1406E-03	0.1396E-02	0.0
COLONANA 18	0.7066E-05	0.2231E-02	0.3022E-02	0.6153E-02	0.1055E-02	0.7138E-02	0.4780E-02	0.4633E-02	0.0
COLONANA 19	0.6978E-05	0.6142E-03	0.1932E-02	0.3097E-02	0.1895E-02	0.1062E-02	0.1823E-04	0.1256E-02	0.0
COLONANA 20	0.6897E-05	0.8978E-05	0.5176E-00	0.3310E-02	0.2459E-02	0.1622E-02	0.1823E-04	0.1256E-02	0.0
COLONANA 21	0.6822E-05	0.2257E-02	0.2959E-02	0.5850E-02	0.1947E-02	0.6695E-02	0.4468E-02	0.2049E-02	0.0
COLONANA 22	0.6746E-05	0.4782E-05	0.1882E-02	0.2883E-02	0.9658E-03	0.0	0.0	0.0	0.0
COLONANA 23	0.6666E-05	0.1163E-02	0.3499E-00	0.4581E-02	0.1212E-02	0.5528E-02	0.3738E-02	0.3665E-02	0.0
COLONANA 24	0.6588E-05	0.3688E-03	0.1205E-02	0.2425E-02	0.8449E-03	0.0	0.0	0.0	0.0
COLONANA 25	0.6513E-05	0.1130E-02	0.2949E-00	0.6158E-02	0.5494E-03	0.4303E-02	0.3404E-02	0.3714E-02	0.0
COLONANA 26	0.6439E-05	0.3495E-04	0.4709E-03	0.1791E-02	0.7006E-03	0.0	0.0	0.0	0.0
COLONANA 27	0.6366E-05	0.2723E-05	0.2110E-00	0.6712E-02	0.5787E-02	0.4524E-02	0.3629E-02	0.3825E-02	0.0
COLONANA 28	0.6293E-05	0.1388E-02	0.6012E-03	0.1617E-02	0.4202E-03	0.0	0.0	0.0	0.0
COLONANA 29	0.6228E-05	0.5627E-03	0.3089E-03	0.1534E-02	0.5959E-03	0.0	0.0	0.0	0.0
COLONANA 30	0.6163E-05	0.1928E-04	0.2189E-01	0.6648E-02	0.6006E-02	0.5376E-02	0.4650E-02	0.4760E-02	0.0
COLONANA 31	0.6100E-05	0.2566E-02	0.1996E-02	0.1771E-03	0.1542E-02	0.1099E-02	0.7313E-03	0.2351E-02	0.0
COLONANA 32	0.6037E-05	0.4066E-03	0.2592E-01	0.2061E-01	0.1662E-01	0.1469E-01	0.1299E-01	0.1322E-01	0.0
COLONANA 33	0.5974E-05	0.8069E-02	0.7044E-02	0.4304E-02	0.5003E-02	0.2670E-02	0.2049E-02	0.1669E-03	0.0
COLONANA 34	0.5911E-05	0.8306E-01	0.7275E-01	0.2061E-01	0.1662E-01	0.1469E-01	0.1299E-01	0.1322E-01	0.0
COLONANA 35	0.5848E-05	0.1056E-00	0.9729E-01	0.193	0.8128E-01	0.1043E-01	0.1299E-01	0.1322E-01	0.0
COLONANA 36	0.5785E-05	0.8141E-01	0.7135E-01	0.193	0.7968E-01	0.1043E-01	0.1299E-01	0.1322E-01	0.0
COLONANA 37	0.5722E-05	0.1041E-01	0.9597E-01	0.193	0.1029E-00	0.1029E-00	0.1299E-01	0.1322E-01	0.0
COLONANA 38	0.5659E-05	0.1041E-01	0.6995E-01	0.193	0.7811E-01	0.1015E-01	0.1299E-01	0.1322E-01	0.0
COLONANA 39	0.5596E-05	0.7979E-01	0.9468E-01	0.127	0.1015E-00	0.7656E-01	0.1299E-01	0.1322E-01	0.0
COLONANA 40	0.5533E-05	0.1013E-00	0.7090E-01	0.127	0.1001E-00	0.1001E-00	0.1299E-01	0.1322E-01	0.0
COLONANA 41	0.5470E-05	0.7813E-01	0.9218E-01	0.127	0.7503E-01	0.7503E-01	0.1299E-01	0.1322E-01	0.0
COLONANA 42	0.5407E-05	0.9888E-01	0.9218E-01	0.127	0.9872E-01	0.9872E-01	0.1299E-01	0.1322E-01	0.0
COLONANA 43	0.5344E-05	0.7813E-01	0.7322E-01	0.127	0.7354E-01	0.7354E-01	0.1299E-01	0.1322E-01	0.0
COLONANA 44	0.5281E-05	0.1446E-00	0.7603E-01	0.238	0.7586E-01	0.7586E-01	0.1299E-01	0.1322E-01	0.0
COLONANA 45	0.5218E-05	0.2891E-00	0.1933E-00	0.194	0.1695E-00	0.1695E-00	0.1299E-01	0.1322E-01	0.0
COLONANA 46	0.5155E-05	0.1039E-00	0.3135E-00	0.194	0.3457E-00	0.3457E-00	0.1299E-01	0.1322E-01	0.0
COLONANA 47	0.5092E-05	0.1518E-00	0.1388E-00	0.194	0.1581E-00	0.1581E-00	0.1299E-01	0.1322E-01	0.0
COLONANA 48	0.5029E-05	0.1433E-00	0.1439E-00	0.194	0.1719E-00	0.1719E-00	0.1299E-01	0.1322E-01	0.0
COLONANA 49	0.4966E-05	0.1398E-00	0.1468E-00	0.194	0.1463E-00	0.1463E-00	0.1299E-01	0.1322E-01	0.0
COLONANA 50	0.4903E-05	0.1388E-00	0.3585E-05	0.171	0.1474E-00	0.1474E-00	0.1299E-01	0.1322E-01	0.0
COLONANA 51	0.4840E-05	0.1388E-00	0.3585E-05	0.171	0.5673E-10	0.5673E-10	0.1299E-01	0.1322E-01	0.0

```

FUNCTIA DE CURENTI PSI
*****
COLLANA 1 -0.3265E-01 -0.3272E-01 -0.3495E-01 -0.2171E-01 0.0 0.0 0.0 0.0 0.0 0.0
COLLANA 2 -0.3265E-01 0.1979E-01 0.5216E-02 -0.1386E-01 -0.3728E-02 0.0 0.0 0.0 0.0 0.0
COLLANA 3 -0.3265E-01 0.1231E-02 0.6027E-03 -0.1571E-01 -0.3707E-02 -0.2009E-02 0.0 0.0 0.0 0.0
COLLANA 4 -0.3265E-01 0.1110E-02 0.1063E-02 -0.1040E-01 -0.7074E-02 -0.2009E-02 0.0 0.0 0.0 0.0
COLLANA 5 -0.3265E-01 0.1051E-02 -0.1714E-01 -0.7327E-02 -0.6674E-02 -0.5992E-02 0.4296E-03 0.0 0.0 0.0
COLLANA 6 -0.3265E-01 0.6751E-03 -0.1774E-01 -0.6663E-02 -0.7114E-02 -0.6238E-02 -0.4894E-02 0.2077E-02 0.0 0.0
COLLANA 7 -0.3265E-01 0.5610E-03 -0.2649E-01 -0.7125E-02 -0.7488E-02 -0.6324E-02 -0.5625E-02 0.5962E-02 0.0 0.0
COLLANA 8 -0.3265E-01 0.1153E-02 0.3221E-03 0.0 0.6588E-02 -0.6557E-02 -0.5949E-02 -0.4679E-02 0.5655E-02 0.0 0.0
COLLANA 9 -0.3265E-01 0.3309E-02 0.5405E-03 -0.1708E-01 -0.7476E-02 -0.7526E-02 -0.6527E-02 -0.5823E-02 0.6000E-02 0.0 0.0
COLLANA 10 -0.3265E-01 0.3936E-02 0.6524E-03 -0.4194E-02 -0.6577E-04 0.0 0.0 0.0 0.5381E-02 0.5573E-02 0.0 0.0
COLLANA 11 -0.3265E-01 0.2946E-02 0.3474E-02 -0.2593E-02 0.4504E-02 0.0 0.0 0.0 0.6146E-02 0.5381E-02 0.0 0.0
COLLANA 12 -0.3265E-01 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLLANA 13 -0.3265E-01 0.2780E-02 0.3773E-03 -0.1698E-01 -0.7307E-02 -0.6996E-02 -0.6062E-02 -0.5318E-02 0.5377E-02 0.0 0.0
COLLANA 14 -0.3265E-01 0.5453E-03 0.1262E-02 -0.2597E-02 -0.4199E-03 -0.2623E-02 0.1878E-02 0.5971E-03 0.1753E-02 0.0 0.0
COLLANA 15 -0.3265E-01 0.2740E-02 0.2037E-04 -0.3699E-01 -0.6568E-02 -0.5790E-02 0.0 0.0 0.0 0.4145E-02 -0.3058E-02 0.3648E-02 0.0 0.0
COLLANA 16 -0.3265E-01 0.114E-04 0.6176E-03 0.6176E-03 0.4024E-02 0.2739E-03 0.6048E-02 0.4132E-02 0.4483E-02 0.0 0.0
COLLANA 17 -0.3265E-01 0.114E-04 0.4980E-01 -0.4272E-02 -0.3765E-02 -0.2160E-02 -0.1030E-02 0.1030E-02 0.2099E-02 0.0 0.0
COLLANA 18 -0.3265E-01 0.5453E-03 0.2029E-02 0.3668E-02 0.6132E-02 0.1602E-02 0.7584E-02 0.5122E-02 0.5135E-02 0.0 0.0
COLLANA 19 -0.3265E-01 0.5400E-05 -0.5845E-00 -0.3468E-02 -0.2878E-02 0.0 0.0 0.0 0.1894E-03 0.1454E-02 0.0 0.0
COLLANA 20 -0.3265E-01 0.2268E-02 0.3146E-02 0.6542E-02 0.1974E-02 0.1308E-02 -0.1894E-03 0.5136E-02 0.5015E-02 0.0 0.0
COLLANA 21 -0.3265E-01 0.6481E-03 0.2195E-02 0.3513E-02 0.3513E-02 0.0 0.0 0.0 0.1414E-03 0.1366E-02 0.0 0.0
COLLANA 22 -0.3265E-01 0.2693E-04 0.3024E-02 -0.3364E-02 -0.3364E-02 -0.1228E-02 -0.1414E-03 0.4780E-02 0.4633E-02 0.0 0.0
COLLANA 23 -0.3265E-01 0.2693E-04 0.2021E-02 0.3240E-02 0.3240E-02 0.0 0.0 0.0 0.1055E-02 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLLANA 24 -0.3265E-01 0.6013E-03 0.2021E-02 0.3240E-02 0.3240E-02 0.0 0.0 0.0 0.1055E-02 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLLANA 25 -0.3265E-01 0.2693E-04 0.2483E-00 -0.3364E-02 -0.3364E-02 -0.1228E-02 -0.1414E-03 0.4780E-02 0.4633E-02 0.0 0.0
COLLANA 26 -0.3265E-01 0.2233E-02 0.3024E-02 0.6169E-02 0.6169E-02 -0.1228E-02 -0.1414E-03 0.4780E-02 0.4633E-02 0.0 0.0
COLLANA 27 -0.3265E-01 0.5895E-03 0.1971E-02 0.3017E-02 0.3017E-02 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

```





\*\*\*\*\*  
 PRODUSUL RAZA-IMPULS SPECIFIC RVIETA  
 \*\*\*\*\*

COLOANA 1	0.0	0.1400E-01	0.2240E 00	0.9520E 00	0.0	0.3297E-01	-0.0	0.1571E-01
COLOANA 2	0.0	0.1327E-01	0.5371E-02	0.1390E-01	0.0	0.3729E-02	-0.0	0.2075E-01
COLOANA 3	0.0	0.1208E-02	0.6275E-03	0.1587E-01	0.0	0.3799E-02	0.0	0.1965E-01
COLOANA 4	0.0	0.1070E-02	0.1138E-02	0.1056E-01	0.0	0.7079E-02	0.0	0.0
COLOANA 5	0.0	0.1000E-02	0.1844E-01	0.7398E-02	0.0	0.6685E-02	0.5993E 02	0.4296E-03
COLOANA 6	0.0	0.0	0.1901E-01	0.6690E-02	0.0	0.7133E-02	0.6240E 02	0.4895E-02
COLOANA 7	0.0	0.1273E-01	0.2885E-01	0.7151E-02	0.0	0.7511E-02	0.6328E 02	0.5627E-02
COLOANA 8	0.0	0.1154E-02	0.2473E-01	0.6606E-02	0.0	0.6573E-02	0.5952E 02	0.4682E-02
COLOANA 9	0.0	0.3311E-02	0.8618E-02	0.7500E-02	0.0	0.7542E-02	0.6530E 02	0.5825E-02
COLOANA 10	0.0	0.4194E-02	0.1819E-01	0.7177E-02	0.0	0.7306E-02	0.6150E 02	0.5383E-02
COLOANA 11	0.0	0.3941E-02	0.6577E-04	0.4505E-02	0.0	0.2739E-01	0.2508E-01	0.2259E-01
COLOANA 12	0.0	0.3002E-02	0.1079E-01	0.7375E-02	0.0	0.3780E-02	0.6065E 02	0.5320E-02
COLOANA 13	0.0	0.9170E-03	0.2593E-02	0.4200E-03	0.0	0.7011E-02	0.1878E-02	0.5971E-03
COLOANA 14	0.0	0.3274E-02	0.1317E-02	0.7796E-03	0.0	0.2622E-02	0.1878E-02	0.5971E-03
COLOANA 15	0.0	0.1958E-03	0.4161E-01	0.6605E-02	0.0	0.5808E-02	0.4148E 02	0.3050E-02
COLOANA 16	0.0	0.2365E-02	0.1292E-02	0.3318E-02	0.0	0.1290E-02	0.6050E-02	0.4132E-02
COLOANA 17	0.0	0.1958E-03	0.5074E-01	0.4277E-02	0.0	0.3778E-02	0.2162E 02	0.1030E-02
COLOANA 18	0.0	0.1523E-02	0.2539E-02	0.6133E-02	0.0	0.1602E-02	0.7586E-02	0.5122E-02
COLOANA 19	0.0	0.5419E-03	0.2039E-02	0.3679E-02	0.0	0.1250E-02	0.0	0.5135E-02
COLOANA 20	0.0	0.2268E-02	0.6261E 00	0.6543E-02	0.0	0.2889E-02	0.0	0.1895E-03
COLOANA 21	0.0	0.6440E-03	0.2206E-02	0.3524E-02	0.0	0.1160E-02	0.0	0.5136E-02
COLOANA 22	0.0	0.2739E-02	0.3242E 00	0.3367E-02	0.0	0.2780E-02	0.0	0.1499E-02
COLOANA 23	0.0	0.3297E-02	0.3024E-02	0.6170E-02	0.0	0.1891E-02	0.0	0.1362E-02
COLOANA 24	0.0	0.2531E-02	0.2031E-02	0.3250E-02	0.0	0.1055E-02	0.0	0.4633E-02
COLOANA 25	0.0	0.2482E-04	0.3242E 00	0.3670E-02	0.0	0.2780E-02	0.0	0.1362E-02
COLOANA 26	0.0	0.2223E-03	0.1981E-02	0.6170E-02	0.0	0.1891E-02	0.0	0.4633E-02
COLOANA 27	0.0	0.5858E-03	0.1981E-02	0.3026E-02	0.0	0.9660E-03	0.0	0.1415E-03
COLOANA 28	0.0	0.5858E-03	0.1981E-02	0.3026E-02	0.0	0.9660E-03	0.0	0.1415E-03





```

DUBLUL ENERGIEI CINETICE
*****
COLOANA 1 0.1350E 02 0.1350E 02 0.1350E 02 0.1350E 02 0.1350E 02 0.1350E 02 0.1350E 02 0.1350E 02 0.1350E 02
COLOANA 2 0.1441E 02 0.1441E 02 0.1441E 02 0.1441E 02 0.1441E 02 0.1441E 02 0.1441E 02 0.1441E 02 0.1441E 02 0.1441E 02
COLOANA 3 0.1456E 02 0.1456E 02 0.1456E 02 0.1456E 02 0.1456E 02 0.1456E 02 0.1456E 02 0.1456E 02 0.1456E 02 0.1456E 02
COLOANA 4 0.1326E 02 0.1326E 02 0.1326E 02 0.1326E 02 0.1326E 02 0.1326E 02 0.1326E 02 0.1326E 02 0.1326E 02 0.1326E 02
COLOANA 5 0.1444E 02 0.1444E 02 0.1444E 02 0.1444E 02 0.1444E 02 0.1444E 02 0.1444E 02 0.1444E 02 0.1444E 02 0.1444E 02
COLOANA 6 0.1779E 02 0.1779E 02 0.1779E 02 0.1779E 02 0.1779E 02 0.1779E 02 0.1779E 02 0.1779E 02 0.1779E 02 0.1779E 02
COLOANA 7 0.2195E 02 0.2195E 02 0.2195E 02 0.2195E 02 0.2195E 02 0.2195E 02 0.2195E 02 0.2195E 02 0.2195E 02 0.2195E 02
COLOANA 8 0.2856E 02 0.2856E 02 0.2856E 02 0.2856E 02 0.2856E 02 0.2856E 02 0.2856E 02 0.2856E 02 0.2856E 02 0.2856E 02
COLOANA 9 0.2863E 02 0.2863E 02 0.2863E 02 0.2863E 02 0.2863E 02 0.2863E 02 0.2863E 02 0.2863E 02 0.2863E 02 0.2863E 02
COLOANA 10 0.4827E 01 0.4827E 01 0.4827E 01 0.4827E 01 0.4827E 01 0.4827E 01 0.4827E 01 0.4827E 01 0.4827E 01 0.4827E 01
COLOANA 11 0.5176E 02 0.5176E 02 0.5176E 02 0.5176E 02 0.5176E 02 0.5176E 02 0.5176E 02 0.5176E 02 0.5176E 02 0.5176E 02
COLOANA 12 0.5287E 02 0.5287E 02 0.5287E 02 0.5287E 02 0.5287E 02 0.5287E 02 0.5287E 02 0.5287E 02 0.5287E 02 0.5287E 02
COLOANA 13 0.5375E 00 0.5375E 00 0.5375E 00 0.5375E 00 0.5375E 00 0.5375E 00 0.5375E 00 0.5375E 00 0.5375E 00 0.5375E 00
COLOANA 14 0.5149E 03 0.5149E 03 0.5149E 03 0.5149E 03 0.5149E 03 0.5149E 03 0.5149E 03 0.5149E 03 0.5149E 03 0.5149E 03
COLOANA 15 0.1125E 01 0.1125E 01 0.1125E 01 0.1125E 01 0.1125E 01 0.1125E 01 0.1125E 01 0.1125E 01 0.1125E 01 0.1125E 01
COLOANA 16 0.2930E 02 0.2930E 02 0.2930E 02 0.2930E 02 0.2930E 02 0.2930E 02 0.2930E 02 0.2930E 02 0.2930E 02 0.2930E 02

```



PATRATUL PULSATIEI TURBULENTE W

COLOANA 1	0.1070E 06	0.3101E 06	0.4030E 06	0.1227E 07	0.3745E 12	0.0	0.0	0.0	0.0
COLOANA 2	0.1043E 06	0.1577E 09	0.7021E 08	0.5616E 06	0.0	0.0	0.0	0.0	0.0
COLOANA 3	0.1016E 06	0.8736E 07	0.1291E 07	0.1027E 07	0.2690E 05	0.0	0.0	0.0	0.0
COLOANA 4	0.9898E 05	0.2341E 07	0.1595E 07	0.2108E 06	0.1130E 06	0.4252E 05	0.0	0.0	0.0
COLOANA 5	0.9396E 05	0.4905E 06	0.1394E 06	0.4075E 04	0.6452E 05	0.1140E 05	0.1090E 05	0.0	0.0
COLOANA 6	0.9155E 05	0.5356E 05	0.6342E 04	0.4454E 04	0.1230E 06	0.5200E 03	0.4069E 04	0.1388E 03	0.0
COLOANA 7	0.8920E 05	0.6673E 06	0.4957E 06	0.9122E 04	0.3637E 06	0.2415E 04	0.1399E 04	0.1067E 04	0.0
COLOANA 8	0.8682E 05	0.7396E 06	0.4058E 06	0.1503E 05	0.2404E 06	0.1653E 04	0.2607E 04	0.1702E 03	0.0
COLOANA 9	0.8553E 05	0.8214E 03	0.0	0.0	0.1038E 06	0.2554E 04	0.1926E 04	0.5858E 03	0.0
COLOANA 10	0.8251E 05	0.1788E 04	0.7846E 04	0.2164E 04	0.0	0.3712E 04	0.2122E 04	0.3682E 03	0.0
COLOANA 11	0.8039E 05	0.4002E 06	0.2306E 06	0.2147E 04	0.0	0.0	0.1214E 04	0.2702E 03	0.0
COLOANA 12	0.7848E 05	0.1529E 02	0.1190E 03	0.5221E 04	0.1605E 03	0.4615E 02	0.2092E 02	0.3783E 02	0.0
COLOANA 13	0.7466E 05	0.3924E 02	0.5687E 07	0.2570E 01	0.8340E 06	0.5860E 04	0.3089E 04	0.3917E 03	0.0
COLOANA 14	0.7466E 05	0.9791E 02	0.3725E 03	0.6100E 03	0.9399E 02	0.1325 02	0.1610E 02	0.6480E 02	0.0
COLOANA 15	0.7466E 05	0.2827E 02	0.6391E 00	0.1270E 02	0.2904E 01	0.0	0.1610E 02	0.1417E 03	0.0
COLOANA 16	0.7312E 01	0.9750E 03	0.1472E 02	0.6598E 03	0.1646E 01	0.0	0.2257E 01	0.1094E 01	0.0

```

VITEZA AXIALA
#####
COLDANA 1 -0.2721E-01 --0.5453E 01 --0.1456E 01 --0.5169E 00 0.0 0.0
COLDANA 2 0.9794E 01 0.1137E 04 --0.3840E 02 0.7686E 01 0.0 0.0
COLDANA 3 0.7067E 01 0.8453E 03 --0.2353E 02 0.6762E 01 0.0 0.0
COLDANA 4 0.7034E 01 0.8439E 03 --0.1599E 02 --0.2526E 01 0.8463E 01 0.0 0.0
COLDANA 5 0.7274E 01 0.7920E 03 --0.1164E 02 0.7163E 01 0.1312E 01 0.6090E 01 0.4403E 01 0.0
COLDANA 6 0.7198E 01 0.7820E 03 --0.1019E 02 0.6386E 01 0.5526E 00 0.1903E 01 0.3058E 01 0.2860E 01
COLDANA 7 0.7295E 01 0.7551E 03 --0.1067E 02 0.1177E 02 0.9413E 00 0.1597E 01 0.2664E 00 0.1236E 01
COLDANA 8 0.4290E 00 0.0 0.0 0.0 0.6807E 00 0.1609E 01 0.2167E 00 0.3333E 00
COLDANA 9 0.7193E 01 0.1547E 01 0.0 0.0 0.1047E 02 0.0 0.1460E 01 0.3875E 00 0.2907E 00
COLDANA 10 0.7164E 01 0.7633E 03 --0.1129E 02 0.6030E 01 0.0 0.0 0.1633E 01 0.4210E 00 0.3986E 00
COLDANA 11 0.7167E 00 0.1810E 01 --0.1830E 01 0.1751E 02 0.0 0.0 0.0 0.0 0.0
COLDANA 12 0.7352E 01 0.2272E 03 0.3259E 01 0.2035E 01 0.0 0.0 0.0 0.0 0.0
COLDANA 13 0.8804E-01 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLDANA 14 0.7122E 01 0.7775E 03 --0.1067E 02 0.6586E 01 0.1285E 01 0.1439E 01 0.5034E 00 0.4602E 00
COLDANA 15 0.2184E 00 0.1871E 00 0.1177E 01 --0.1346E 01 --0.1314E 01 0.0 0.4898E 00 0.7410E-01 0.1839E 00
COLDANA 16 0.1023E 01 --0.9612E 00 0.7192E-01 0.1365E-01 --0.7589E-01 0.0 0.2342E 01 0.3653E 00 0.2758E 00
COLDANA 17 0.7320E 01 0.7139E 03 --0.9150E 01 0.2043E 02 0.2464E 01 0.0 0.8696E 00 0.9316E 00 0.1016E 01
COLDANA 18 0.2696E 00 0.2902E 00 0.1877E 01 --0.2373E 01 --0.2540E 01 0.0 0.0 0.0 0.0 0.0
COLDANA 19 0.1971E 01 0.9395E 00 0.1097E 00 0.3023E 00 0.3226E 00 0.0 0.2345E 01 0.4494E 01 0.6216E-01
COLDANA 20 0.7496E 01 0.6782E 03 --0.5949E 01 0.2963E 02 0.2183E 01 --0.1321E 01 0.0 0.1458E 01 --0.1346E 01
COLDANA 21 0.1348E 00 0.3290E-01 0.1899E 01 --0.3068E 01 --0.3228E 01 0.0 0.0 0.0 0.0 0.0
COLDANA 22 0.2158E 01 --0.9633E 00 0.1100E 00 0.3711E 00 0.3375E 00 0.2305E 01 0.1071E 00 0.4396E-01
COLDANA 23 0.1492E 02 0.8073E 03 --0.4824E 01 0.3698E 03 0.2218E 01 0.0 0.1434E 01 0.1588E 01 --0.1377E 01
COLDANA 24 0.5672E-01 --0.1181E 00 0.1759E 01 --0.3094E 01 --0.3377E 01 0.0 0.0 0.0 0.0 0.0
COLDANA 25 0.2073E 01 0.8992E 00 0.1010E 00 0.3647E 00 0.3424E 00 0.2252E 01 0.1017E 00 0.5293E-01
COLDANA 26 0.1026E 02 0.1272E 03 --0.4709E 01 0.1364E 03 0.2191E 01 0.0 0.0 0.0 0.0 0.0
COLDANA 27 0.7571E-01 --0.1226E 00 0.1619E 01 --0.2908E 01 --0.3108E 01 0.0 0.1355E 01 0.1509E 01 --0.1293E 01
COLDANA 28 0.1914E 01 0.8298E 04 0.9297E-01 0.1564E 03 0.2191E 01 0.0 0.0 0.0 0.0 0.0
COLDANA 29 0.1026E 02 0.1272E 03 --0.4709E 01 0.1564E 03 0.2191E 01 0.2252E 01 0.1017E 00 0.5293E-01
COLDANA 30 0.7571E-01 --0.1226E 00 0.1619E 01 --0.2908E 01 --0.3108E 01 0.0 0.1355E 01 0.1509E 01 --0.1293E 01
COLDANA 31 0.2016E 01 0.7563E 00 0.8553E-01 --0.3190E 00 --0.3190E 00 0.8491E 00 0.0 0.0 0.0 0.0 0.0

```

```

VITEZA AXIALA
***
COLOANA 1 0.2721E-01 --0.5453E 01 --0.1456E 01 --0.5169E 00 0.0 0.0 0.0
COLOANA 2 0.9794E 01 0.1137E 04 --0.3840E 02 0.7686E 01 0.0 0.0 0.0
COLOANA 3 0.7067E 01 0.8453E 03 --0.2353E 02 0.6762E 01 0.1455E 02 0.0 0.0
COLOANA 4 0.7034E 01 0.8439E 03 --0.1599E 02 --0.2526E 01 0.8403E 01 0.0 0.0
COLOANA 5 0.7274E 01 0.7920E 03 --0.1164E 02 0.7163E 01 0.1312E 01 0.6090E 01 0.4403E 01 0.0
COLOANA 6 0.7198E 01 0.7820E 03 --0.1019E 02 0.6386E 01 0.5526E 00 0.1903E 01 0.3058E 01 0.2860E 01
COLOANA 7 0.7295E 01 0.7551E 03 --0.1067E 02 0.1177E 02 0.9413E 00 0.1597E 01 0.2604E 00 0.1236E 01
COLOANA 8 0.4299E 00 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 9 0.7193E 01 0.7595E 03 --0.9397E 01 0.1047E 02 0.6807E 00 0.1609E 01 0.2167E 00 0.3333E 00
COLOANA 10 0.7352E 01 0.1547E 01 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 11 0.7122E 01 0.1871E 00 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 12 0.7320E 01 0.7139E 03 --0.9150E 01 0.2043E 02 0.2464E 01 0.0 0.0 0.0
COLOANA 13 0.7496E 01 0.2902E 00 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 14 0.1492E 02 0.8073E 03 --0.4824E 01 0.3698E 03 0.2218E 01 0.2305E 01 0.171E 00 0.4396E-01
COLOANA 15 0.1026E 02 0.1272E 03 --0.4709E 01 0.1564E 03 0.2191E 01 0.2252E 01 --0.1017E 00 0.5293E-01
COLOANA 16 0.7571E-01 0.8298E 00 0.0 0.0 0.0 0.0 0.0 0.0

```

VITEZA TANGENTIALA VITEA

\*\*\*\*\*

COLOANA 1	0.0	0.2800E-01	-0.1120E-02	-0.2720E-02	0.0	0.7239E-00	0.0	0.4630E-00	0.0	0.2182E-00
COLOANA 2	0.0	0.2653E-01	-0.2686E-00	-0.3973E-00	0.0	0.8287E-01	0.0	0.4630E-00	0.0	0.2182E-00
COLOANA 3	0.0	0.2416E-00	0.3137E-01	-0.4534E-00	0.0	0.1573E-00	-0.3721E-01	0.0	0.0	0.0
COLOANA 4	0.0	0.2139E-00	0.5689E-01	-0.3017E-00	0.0	0.1573E-00	0.0	0.3120E-00	0.0	0.0
COLOANA 5	0.0	0.2001E-00	-0.9219E-00	-0.2114E-00	-0.1486E-00	-0.1110E-00	-0.6820E-02	0.0	0.0	0.0
COLOANA 6	0.0	0.1275E-00	-0.9507E-00	-0.1911E-00	-0.1585E-00	-0.1156E-00	-0.7770E-01	-0.7770E-01	0.2882E-01	0.2882E-01
COLOANA 7	0.0	0.1414E-00	0.0	-0.1442E-01	-0.2043E-00	-0.1669E-00	-0.1172E-00	-0.8932E-01	0.6273E-01	0.6273E-01
COLOANA 8	0.0	0.1283E-01	0.1053E-00	0.0	0.1887E-00	0.0	0.1102E-00	0.7431E-01	0.7844E-01	0.7844E-01
COLOANA 9	0.0	0.3679E-01	0.5460E-01	0.7980E-01	0.0	0.1624E-00	-0.1209E-00	-0.9246E-01	0.8317E-01	0.8317E-01
COLOANA 10	0.0	0.4379E-01	0.1211E-00	-0.9096E-00	-0.2143E-00	-0.1676E-00	-0.1102E-00	-0.9246E-01	0.8317E-01	0.8317E-01
COLOANA 11	0.0	0.3280E-01	0.4237E-01	-0.6090E-00	0.6115E-01	0.0	0.1139E-00	-0.8545E-01	0.7724E-01	0.7724E-01
COLOANA 12	0.0	0.6113E-02	0.3313E-02	-0.5125E-02	0.2887E-02	0.2482E-02	0.1326E-01	0.1613E-00	0.1373E-00	0.1373E-00
COLOANA 13	0.0	0.3223E-04	0.5264E-02	0.5719E-02	0.3430E-01	0.2234E-02	0.0	0.4857E-01	0.5053E-01	0.5053E-01
COLOANA 14	0.0	0.1576E-01	0.1224E-02	0.6008E-02	0.1222E-00	0.4527E-02	0.0	0.2951E-01	0.3092E-01	0.3092E-01
COLOANA 15	0.0	0.2751E-01	0.2174E-02	0.2537E-01	0.1222E-00	0.1222E-00	0.0	0.1635E-01	0.2906E-01	0.2906E-01
COLOANA 16	0.0	0.1853E-01	0.1539E-01	0.9482E-02	0.1303E-01	0.4387E-02	0.0	0.3659E-01	0.3542E-01	0.3542E-01
COLOANA 17	0.0	0.3788E-01	0.1053E-02	0.3130E-02	0.5919E-01	0.6421E-01	0.0	0.3069E-02	0.2012E-01	0.2012E-01
COLOANA 18	0.0	0.1826E-01	0.2291E-01	0.1026E-01	0.5576E-01	0.1611E-01	0.0	0.3658E-01	0.3458E-01	0.3458E-01
COLOANA 19	0.0	0.3663E-01	0.4964E-02	0.1621E-02	0.1305E-01	0.4069E-02	0.0	0.2247E-02	0.1891E-01	0.1891E-01
COLOANA 20	0.0	0.1687E-01	0.2256E-01	0.2800E-01	0.1204E-01	0.3703E-02	0.0	0.3414E-01	0.3195E-01	0.3195E-01
COLOANA 21	0.0	0.3663E-01	0.4964E-02	0.1621E-02	0.1305E-01	0.4069E-02	0.0	0.2247E-02	0.1891E-01	0.1891E-01
COLOANA 22	0.0	0.1567E-01	0.2256E-01	0.2800E-01	0.1204E-01	0.3703E-02	0.0	0.3414E-01	0.3195E-01	0.3195E-01



```

VITEZA UNGHIULARA OMEGA-TETA
*****
COLOANA 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 11 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 12 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 13 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 14 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 15 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
COLOANA 16 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
*****

```











```

897 IF(SpN-EPG)PY7,PG7,PG8
898 YX(I)=SOST(F/2.)
899 Y(I)=XX(I)
900 TN=125
901 XY(I)=SOST(-R/2.)
902 Y(I)=-XX(I)
903 TN=125
904 CALL TQNF
905 IF(E*FD,.) R=.1
906 TN=126
907 XX(I)=.
908 Y(I)=.
909 GOTO 125
1444 CONTINUE
E9
C=0
GOTO 14
125 KCP=
126 CONTINUE
127 I=1+I/2+1
128 I=I-I
129 PI=4.*ATN(1.)
130 -PI=2.*PI
131 S=1.292*273.15/(T+273.15)
132 IF(SOXY,FO,.) SOXY=1.
133 IF(IY) EQ2, EQ3, EQ3
134 IY=1
135 TN=EQ4
136 TN=EQ4
137 IY=
138 CONTINUE
901 DO 41 I=1, I4
902 WD1(I)=(I-I)*PPAS* .1
903 WD3(I)=(I-I)*PPAS* .1
904 WD2(I)=(I-I)*PPAS* .1
905 CONTINUE
906 DO 41 I=1, I4
907 I2PI=1+I
908 WG1(I)=X(I)*WG2(I)
909 WG2(I)=X(I)*WG2(I)
910 WG2(I)=XX(I)*WG2(I)
911 WG2(I)=XX(I)*WG2(I)
912 CALL QTEG(WD1, WG1, VP1, I4)
913 CALL QTEG(WD3, WG3, VP3, I4)
914 CALL QTEG(WD2, WG2, VP2, I4)
915 CALL QTEG(WD1, WG1, VP1, I4)
916 D=ASIN(.5*PI*VP1(I4))
917 D=ASIN(.5*PI*VP2(I4))
918 D=ASIN(.5*PI*VP3(I4))
919 D=ASIN(.5*PI*VP1(I4))
920 D=ASIN(.5*PI*VP2(I4))
921 D=ASIN(.5*PI*VP3(I4))
922 D=ASIN(.5*PI*VP1(I4))
923 D=ASIN(.5*PI*VP2(I4))
924 D=ASIN(.5*PI*VP3(I4))
925 D=ASIN(.5*PI*VP1(I4))
926 D=ASIN(.5*PI*VP2(I4))
927 D=ASIN(.5*PI*VP3(I4))
928 D=ASIN(.5*PI*VP1(I4))
929 D=ASIN(.5*PI*VP2(I4))
930 D=ASIN(.5*PI*VP3(I4))
931 D=ASIN(.5*PI*VP1(I4))
932 D=ASIN(.5*PI*VP2(I4))
933 D=ASIN(.5*PI*VP3(I4))
934 D=ASIN(.5*PI*VP1(I4))
935 D=ASIN(.5*PI*VP2(I4))
936 D=ASIN(.5*PI*VP3(I4))
937 D=ASIN(.5*PI*VP1(I4))
938 D=ASIN(.5*PI*VP2(I4))
939 D=ASIN(.5*PI*VP3(I4))
940 D=ASIN(.5*PI*VP1(I4))
941 D=ASIN(.5*PI*VP2(I4))
942 D=ASIN(.5*PI*VP3(I4))
943 D=ASIN(.5*PI*VP1(I4))
944 D=ASIN(.5*PI*VP2(I4))
945 D=ASIN(.5*PI*VP3(I4))
946 D=ASIN(.5*PI*VP1(I4))
947 D=ASIN(.5*PI*VP2(I4))
948 D=ASIN(.5*PI*VP3(I4))
949 D=ASIN(.5*PI*VP1(I4))
950 D=ASIN(.5*PI*VP2(I4))
951 D=ASIN(.5*PI*VP3(I4))
952 D=ASIN(.5*PI*VP1(I4))
953 D=ASIN(.5*PI*VP2(I4))
954 D=ASIN(.5*PI*VP3(I4))
955 D=ASIN(.5*PI*VP1(I4))
956 D=ASIN(.5*PI*VP2(I4))
957 D=ASIN(.5*PI*VP3(I4))
958 D=ASIN(.5*PI*VP1(I4))
959 D=ASIN(.5*PI*VP2(I4))
960 D=ASIN(.5*PI*VP3(I4))
961 D=ASIN(.5*PI*VP1(I4))
962 D=ASIN(.5*PI*VP2(I4))
963 D=ASIN(.5*PI*VP3(I4))
964 D=ASIN(.5*PI*VP1(I4))
965 D=ASIN(.5*PI*VP2(I4))
966 D=ASIN(.5*PI*VP3(I4))
967 D=ASIN(.5*PI*VP1(I4))
968 D=ASIN(.5*PI*VP2(I4))
969 D=ASIN(.5*PI*VP3(I4))
970 D=ASIN(.5*PI*VP1(I4))
971 D=ASIN(.5*PI*VP2(I4))
972 D=ASIN(.5*PI*VP3(I4))
973 D=ASIN(.5*PI*VP1(I4))
974 D=ASIN(.5*PI*VP2(I4))
975 D=ASIN(.5*PI*VP3(I4))
976 D=ASIN(.5*PI*VP1(I4))
977 D=ASIN(.5*PI*VP2(I4))
978 D=ASIN(.5*PI*VP3(I4))
979 D=ASIN(.5*PI*VP1(I4))
980 D=ASIN(.5*PI*VP2(I4))
981 D=ASIN(.5*PI*VP3(I4))
982 D=ASIN(.5*PI*VP1(I4))
983 D=ASIN(.5*PI*VP2(I4))
984 D=ASIN(.5*PI*VP3(I4))
985 D=ASIN(.5*PI*VP1(I4))
986 D=ASIN(.5*PI*VP2(I4))
987 D=ASIN(.5*PI*VP3(I4))
988 D=ASIN(.5*PI*VP1(I4))
989 D=ASIN(.5*PI*VP2(I4))
990 D=ASIN(.5*PI*VP3(I4))
991 D=ASIN(.5*PI*VP1(I4))
992 D=ASIN(.5*PI*VP2(I4))
993 D=ASIN(.5*PI*VP3(I4))
994 D=ASIN(.5*PI*VP1(I4))
995 D=ASIN(.5*PI*VP2(I4))
996 D=ASIN(.5*PI*VP3(I4))
997 D=ASIN(.5*PI*VP1(I4))
998 D=ASIN(.5*PI*VP2(I4))
999 D=ASIN(.5*PI*VP3(I4))
1000 D=ASIN(.5*PI*VP1(I4))

```













```

SUBROUTINE DTFG(X,Y,Z,N)
DIMENSION X(32),Y(32),Z(32)
SUMX=0
1  IF(MD-1)A=2,1
   DO Z I=2,MD
   SUM1=SUM1+MD
   SUM2=SUM1+MD*(X(I)-X(I-1))*(Y(I)+Y(I-1))
2  Z(I-1)=SUM1
   Z(MD)=SUM2
3  RETURN
END
```



B3-Programul „VT EXP“

```

C PROGRAM 'VT EXP' CRISREA EUGEN
REAL*4 CRT(2),CAP1(2)
DIMENSION V1(35),V2(35),V3(35),V4(35),V5(35)
DIMENSION A(62),B(62),C(62),D(62),E(62),TT(62)
DIMENSION VRGT(20),ORGT(20),FTFR(20),VTFOR(20),OTFOR(20),YX(62)
DIMENSION X(20),Y(20),Z(20),F021(20),VD21(20),ORGT(20)
DIMENSION VD(62),VD1(35),VD2(35),VD3(35),VD4(35),VD5(35)
DIMENSION VR11(35),VR21(35)
DIMENSION VY(62),VD6(35),VD7(35),VD8(35),VD9(35),VD10(35)
500 FORMAT(2A4)
89 FORMAT(2A4,A2,F6.2,I3)
99 FORMAT(4X,F6.3,I3)
84 FORMAT(5F1.3)
24 FORMAT(4X,12F5.3)
PI=3.1415
READ(1,2)DC1,DC2
READ(1,59)RR,M
READ(1,4)(FI(I),I=1,M)
READ(1,4)(FD21(I),I=1,M)
READ(1,4)(FRGT(I),I=1,M)
READ(1,4)(FTFR(I),I=1,M)
READ(1,4)(VD21(I),I=1,M)
READ(1,4)(VRGT(I),I=1,M)
READ(1,4)(VTFOR(I),I=1,M)
READ(1,4)(VD21(I),I=1,M)
READ(1,4)(ORGT(I),I=1,M)
READ(1,4)(OTFOR(I),I=1,M)
1 READ(1,55)EMD=1,CART1
READ(1,2)CRI,TI,IV,EPS,PA5DM,SCR,IM10,IM3,IM5,IM7,IM8,IM9,
IA4,TOR,TSC,SCR,IV
READ(1,344)R,RZF,PAMD,CPD,PAVCL,FAVCL,DAS,PCENR,PA5MR,RFODAR
WRITE(2,58)TI
WRITE(3,57)TI
PCENR=PCENR+1
PA5MR=PA5MR+1
E=1
PCENR=PCENR+1
E=1
WRITE(2,58)DC1
WRITE(3,58)DC2
WRITE(3,578)KGENR,KAMR,RFODAR
DO 32 L=1,IV
READ(1,2)TT(L),A(L),B(L),C(L),D(L),E(L)
302 CONTINUE
DO 301 N=1,1
GO TO (24,27,28),N
26 CONTINUE
WRITE(2,68)
48 FORMAT(10A4) CAZUL CUPKEI D21 *)
DO 29 I=1,IV
X(I)=FD21(I)
Y(I)=VD21(I)
Z(I)=VR21(I)
29 CONTINUE
GO TO 2
27 CONTINUE
WRITE(2,59) CAZUL CURREI RGT *)
49 FORMAT(10A4)
K1=1
K2=1
K3=1
K4=1
DO 31 J=1,IV
X(I)=FRGT(I)
Y(I)=VRGT(I)
Z(I)=ORGT(I)
31 CONTINUE
GO TO 3
28 CONTINUE
WRITE(3,67) CAZUL CURREI TEOR *)
47 FORMAT(10A4)
K1=1
K2=1
K3=1
K4=1

```

```

DN 32 I=1,M
X(I)=FTFR(I)
Y(I)=VTEFR(I)
Z(I)=INTEFR(I)
32 CONTINUE
33 CONTINUE
K1=
K2=
K3=
KA=
DD=Z(I,I),IM
T=TT(L)
R1=A(L)-C(L)
IF(S(L).EQ.D(L)) GO TO 129
R2=R(L)-D(L)
CAP=R1/R2
ALAM1=ATAM(RAP)
IF((R1.LT.0.) .AND. (R2.LT.C.)) GO TO 21
IF((R1.GE.0.) .AND. (R2.LT.C.)) GO TO 21
IF((R1.LT.0.) .AND. (R2.GT.C.)) GO TO 22
WRITE(R,11)
11 FORMAT('1',INDX,ESTE,INDEPLIMITA,IGI,CONDITIE 4-8-C-D')
GO TO 1
20 ALAM=ALAM1
GO TO 24
21 ALAM=ALAM1
GO TO 24
22 ALAM=ALAM1-PI
GO TO 24
23 ALAM=ALAM1+PI
CONTINUE
R1=A(L)+R(L)+C(L)+D(L)
R1=2.*R(L)**2+D(L)**2
R2=2.*R(L)**2+C(L)**2
R3=SQR(R3)
R5=R2+R4
IF((R5.EQ.0.) GO TO 13
A=(1.-R1/R4)
IF(A5.LT.0) GO TO 121
X=SORT(A5)
IF(A4.EQ.2) GO TO 47
IF(AK.LT.X(I)) GO TO 132
IF(AK.GT.X(I)) GO TO 132
IF(I.GT.1) GO TO 11
IF(I.GT.1) GO TO 11
IF(AK.EQ.X(I)) GO TO 34
IF(AK.GT.X(I)).AND.(AK.LT.X(I+1)) GO TO 4.
I=I+1
GO TO 27
131 WRITE(2,32)AK
32 FORMAT('1',AK,QU,INTRA,IN,JNC',F13.6)
GO TO 1
33 FIG=(I-1)*5.
GO TO 26
34 FIG=I*5.
GO TO 26
42 FIG=FI(I)+(AK-X(I))/(X(I+1)-Y(I))*(FI(I+1)-FI(I))
CONTINUE
I=1
44 IF(I.GT.4) GO TO 112
IF(FIG.EQ.FI(I)) GO TO 41
IF(FIG.FO.FI(I+1)) GO TO 42
IF((FIG.GT.FI(I)).AND.(FIG.LT.FI(I+1))) GO TO 43
I=I+1
GO TO 44
112 WRITE(2,45) FIG
45 FORMAT('1',FIG,QU,SE,INCADREAZA,IN,INTERVALUL,DAI',F13.6)
GO TO 1
41 VK=Y(I)
GO TO 46
42 VK=Y(I+1)
GO TO 46
43 VK=Y(I)+(FIG-FI(I))/(FI(I+1)-FI(I))*(Y(I+1)-Y(I))
46 CONTINUE

```



```

54 IF(I.GT.#) GO TO 132
IF(FIC.EQ.FI(I)) GO TO 51
IF(FIC.EQ.FI(I+1)) GO TO 52
IF(FIC.GT.FI(I)).AND.(FIC.LT.FI(I+1)) GO TO 53
I=I+1
GO TO 54
51 NK=Z(I)
GO TO 55
52 NK=Z(I+1)
GO TO 55
53 NK=Z(I)+(FIC-FI(I))/(FI(I+1)-FI(I))*Z(I+1)-Z(I)
CONTINUE
GO TO 48
47 FIC=13.*(AK**2)+4.*AK
VK=6.2*1.E-10*(FIC**4)-7.8*1.E-10*(FIC**3)+5.4*1.E-04*(FIC**2)-.55
**1.E-02*(FIC+.33)
NK=.2*1.E-12*(FIC**6)-2.4*1.E-10*(FIC**4)-5.3*1.E-10*(FIC**2)+1.
P1=.2*(A(L)**2+C(L)**2)
P2=.2*(B(L)**2+D(L)**2)
P3=SQRT(P1)+SQRT(P2)
P4=.7159/RR**VK*(273.+T)*P3
V=SQRT(P4)
FIC=FIC*PI/16.
VX(L)=V*GNS(FIC)
VY(L)=-V*SH(FIC)*COS(ALAM)
VZ(L)=-V*SH(FIC)*SIN(ALAM)
P(L)=E(L)-(13.51*RR**VK**2)/(273.+T)
GO TO 48
129 CONTINUE
K1=K1+1
V1(K1)=(L-1)*PASPW
GO TO 135
130 CONTINUE
K2=K2+1
V2(K2)=(L-1)*PASPW
GO TO 135
131 CONTINUE
K3=K3+1
V3(K3)=(L-1)*PASPW
GO TO 135
132 CONTINUE
K4=K4+1
V4(K4)=(L-1)*PASPW
CONTINUE
135 CONTINUE
VX(L)=V
VY(L)=V
VZ(L)=V
P(L)=V
CONTINUE
238 CONTINUE
88 CONTINUE
IF(K1.LE.#) GO TO 136
WRITE(3,K15)(V1(U),U=1,K1)
IF(K2.LE.#) GO TO 137
WRITE(3,K16)(V2(U),U=1,K2)
IF(K3.LE.#) GO TO 138
WRITE(3,K17)(V3(U),U=1,K3)
IF(K4.LE.#) GO TO 139
WRITE(3,K19)(V4(U),U=1,K4)
WRITE(3,K18)(V4(U),U=1,K4)
ENRWAT(1,1,K=1,77(IX,13.6))
ENRWAT(1,1,CAZ A=0,15(IX,F5.2))
ENRWAT(1,1,CAZ SUPATOR D1N K ESTE 6.2)
ENRWAT(1,1,CAZ RNDICL 15(LV,6.2))
ENRWAT(1,1,CAZ K NU SE INCAPEAZA IN INTERVAL DAT,15(IX,F6.2))
CONTINUE
DO I=1,1071
VD(I)=(1-1)*PASPW
PI=C.*ATM(I.)
RN=.2.*PI*1.293*73.15/(T1+273.15)
TE(SCRY EN 1) RGXY=1
IF(LV) 8592,5593,5592
5593
5592
5592
GO TO 5594
LY=

```

```

5594 CONTINUE
      IM1=IM/2+1
      IM2=IM-1+1
      DO 601 I=1,IM
      YY(I)=VY(I)
      WY(I)=ABS(WY(I))
      E(I)=E(I)*.98
601 CONTINUE
      DO 610 I=1,IM1
      VD1(I)=(I-1)*PASDM*.001
      VD2(I)=VD1(I)
      VD3(I)=(IM1-I)*PASDM*.001
      DO 611 I=1,IM1
      VG11(I)=VX(I)*VD3(I)
      VG21(I)=VX(IM2+1)*VD2(I)
      CALL OTFG(VD1, VG11, VR11, IM1)
      CALL OTFG(VD2, VG21, VR21, IM1)
      DNAS1=.5*.5*.5*VR11(IM1)
      DNAS2=.5*.5*.5*VR21(IM1)
      DNAS=DNAS1+DNAS2
      DO 612 I=1,IM1
      VG11(I)=VX(I)*VY(I)*VD3(I)**2
      VG21(I)=VX(IM2+1)*VY(IM2+1)*VD2(I)**2
      CALL OTFG(VD1, VG11, VR11, IM1)
      CALL OTFG(VD2, VG21, VR21, IM1)
      GEF12=.5*.5*.5*VR11(IM1)
      GEF12=.5*.5*.5*VR21(IM1)
      GEF12=.5*.5*.5*VR21(IM1)
      DO 613 I=1,IM1
      VG11(I)=VX(I)*VD3(I)
      VG21(I)=VX(IM2+1)*VD2(I)
      CALL OTFG(VD1, VG11, VR11, IM1)
      CALL OTFG(VD2, VG21, VR21, IM1)
      GEDX1=.5*.5*.5*VR11(IM1)
      GEDX2=.5*.5*.5*VR21(IM1)
      GEDX=GEDX1+GEDX2
      DO 614 I=1,IM1
      VG11(I)=VX(I)*VD3(I)
      VG21(I)=VX(IM2+1)*VD2(I)
      CALL OTFG(VD1, VG11, VR11, IM1)
      CALL OTFG(VD2, VG21, VR21, IM1)
      GDS1=PI*VR11(IM1)
      GDS2=PI*VR21(IM1)
      GDS=GDS1+GDS2
      GX=GEDX+GDS
      IF(IM2.EQ. ) GO TO 7
      IM5=IM5+1
      DO 619 I=1,IM2
      VD6(I)=(IM1-I)*PASDM*.001
      DO 620 I=1,IM5
      VD4(I)=(IM1-IM5+I-1)*PASDM*.001
      VD5(I)=VD4(I)
      DO 621 I=1,IM3
      VG11(I)=VX(I)*VD6(I)
      DO 622 I=1,IM5
      VG21(I)=VX(IM5+1)*VD5(I)
      CALL OTFG(VD4, VG11, VR11, IM3)
      CALL OTFG(VD5, VG21, VR21, IM5)
      DNAS1=.5*.5*.5*VR11(IM3)
      DNAS2=.5*.5*.5*VR21(IM5)
      DNAS=DNAS1+DNAS2
      IF(IM7) 523,624,675
624 CONTINUE
      IF(IM3.EQ. ) GO TO 623
      IM5=IM5-1
      IM4=IM-1+5
      IM6=IM3+1
      DO 7 1 I=IM6,IM4
      VX(I)=-VX(I)
701 CONTINUE
623 CONTINUE
      DNASP=DNAS1+DNAS21
      DNASP=DNASP-DNAS
      DEVR=DNASR*.360./1.293*(T1+273.15)/273.15
      DEVRP=DEVR*.360./1.293*(T1+273.15)/273.15
      IF(IM7) 825,804,875
825 CONTINUE

```



```

DN 7 3 I=1, Iw3
703 VX(I)=-VX(I)
THA2=Iw-1M5+2
DN 7 4 I=1M2, IM
702 VX(I)=-VX(I)
GO TO 2
755 CONTINUE
DN 7 5 I=1, IM7
VD7(I)=(Iw-1)*PASDM*.0 1
DN 7 5 I=1, IM8
VD8(I)=(Iw-1M+1-1)*PASDM*.0 1
DN 7 5 I=1, IM7
VG1(I)=VX(I)*VD(I)
DN 7 5 I=1, IM8
IwPI=Iw-IM+1
VG2(I)=VX(IM*PI)*VD(I)
753 CALL OTEG(VD1, VG1, VR1, IM7)
CALL OTEG(VD1, VG1, VR1, IM7)
CALL OTEG(VD1, VG1, VR1, IM8)
DAS11= .5*RN*VK11(IM7)
DAS21= .5*RN*VR21(IM8)
IF (Iw.EQ.1) GO TO 5B
DAS1R=DAS11+DAS21
GO TO 2B1
500 CONTINUE
DAS1P=DAS11+DAS21
481 CONTINUE
DN 7 5 I=1, IM9
VD9(I)=(Iw-1)*PASDM*.0 1
754 CONTINUE
DN 7 5 I=1, IM1
VG1(I)=(I-1)*PASDM*.0 1
DN 7 5 I=1, IM9
VG11(I)=VX(IM1-1M+1)*VD9(I)
755 CONTINUE
DN 7 5 I=1, IM1
IwPI=Iw-1
VG21(I)=VX(IM2*PI)*VD1(I)
7550 CONTINUE
CALL OTEG(VD1, VG1, VR1, IM9)
CALL OTEG(VD1, VG2, VR2, IM1)
DAS11= .5*RN*VR11(IM9)
DAS21= .5*RN*VR21(IM1)
IF (Iw.EQ.1) GO TO 5B
DAS1R=DAS1P+DAS11+DAS21
DAS1S=-DAS1R
DAS1P=DAS1S+DAS1R
GO TO 2B2
482 CONTINUE
DAS1P=DAS1P+DAS11+DAS21
DAS1R=DAS1P-DAS1S
484 CONTINUE
DEFVR=DAS1P*.36*.0 /1.213*(I1+273.15)/273.15
DEFVP=DAS1P*.36*.0 /1.213*(I1+273.15)/273.15
IF (Iw.LT.1) GO TO 759
GO TO 742
759 CONTINUE
IS=Iw-1
IT=Iw-7+1
DN 7 5 I=IT, IS
VX(I)=-VX(I)
IS=Iw-1
IT=Iw-1
DN 7 5 I=IT, IS
VX(I)=-VX(I)
761 VX(I)=-VX(I)
GO TO 2
762 CONTINUE
DN 7 5 I=1, IM7
VY(I)=-VX(I)
756 Iw1=Iw-1M+1
VX(I)=-VX(I)
DN 7 5 I=1M1, IM1
VX(I)=-VX(I)
763 Iw1=Iw-1M+1
Iw12=Iw1+1
DN 7 5 I=Iw1, Iw12
VX(I)=-VX(I)
Iw12=Iw-1M+1
DN 7 5 I=Iw12, Iw

```



```

SUBROUTINE OTFG(X,Y,Z,M)
DIMENSION X(1),Y(1),Z(1)
SUMZ=0
DO 2 I=1,M
1 SUM1=SUMZ
SUMZ=SUMZ+.5*(X(I)-X(I-1))*(Y(I)+Y(I-1))
2 Z(I)=SUM1
3 RETURN
END
```



```

112 V=V1
113 G1 TO
114 V=(G1
115 G1 TO
116 V1=(P
117 X+(
118 V=V1
119 G1 TO
120 V1=(1
121 +.
122 V=V
123 G1 TO
124 V=(G1
125 G1 TO
126 ALF=AL
127 G1 TO
128 R1=
129 IF(ALF
130 R1=K1
131 )
132 )
133 )
134 )
135 )
136 )
137 )
138 )
139 )
140 )
141 )
142 )
143 )
144 )
145 )
146 )
147 )
148 )
149 )
150 )
151 )
152 )
153 )
154 )
155 )
156 )
157 )
158 )
159 )
160 )
161 )
162 )
163 )
164 )
165 )
166 )
167 )
168 )
169 )
170 )
171 )
172 )
173 )
174 )
175 )
176 )
177 )
178 )
179 )
180 )
181 )
182 )
183 )
184 )
185 )
186 )
187 )
188 )
189 )
190 )
191 )
192 )
193 )
194 )
195 )
196 )
197 )
198 )
199 )
200 )
201 )
202 )
203 )
204 )
205 )
206 )
207 )
208 )
209 )
210 )
211 )
212 )
213 )
214 )
215 )
216 )
217 )
218 )
219 )
220 )
221 )
222 )
223 )
224 )
225 )
226 )
227 )
228 )
229 )
230 )
231 )
232 )
233 )
234 )
235 )
236 )
237 )
238 )
239 )
240 )
241 )
242 )
243 )
244 )
245 )
246 )
247 )
248 )
249 )
250 )
251 )
252 )
253 )
254 )
255 )
256 )
257 )
258 )
259 )
260 )
261 )
262 )
263 )
264 )
265 )
266 )
267 )
268 )
269 )
270 )
271 )
272 )
273 )
274 )
275 )
276 )
277 )
278 )
279 )
280 )
281 )
282 )
283 )
284 )
285 )
286 )
287 )
288 )
289 )
290 )
291 )
292 )
293 )
294 )
295 )
296 )
297 )
298 )
299 )
300 )
301 )
302 )
303 )
304 )
305 )
306 )
307 )
308 )
309 )
310 )
311 )
312 )
313 )
314 )
315 )
316 )
317 )
318 )
319 )
320 )
321 )
322 )
323 )
324 )
325 )
326 )
327 )
328 )
329 )
330 )
331 )
332 )
333 )
334 )
335 )
336 )
337 )
338 )
339 )
340 )
341 )
342 )
343 )
344 )
345 )
346 )
347 )
348 )
349 )
350 )
351 )
352 )
353 )
354 )
355 )
356 )
357 )
358 )
359 )
360 )
361 )
362 )
363 )
364 )
365 )
366 )
367 )
368 )
369 )
370 )
371 )
372 )
373 )
374 )
375 )
376 )
377 )
378 )
379 )
380 )
381 )
382 )
383 )
384 )
385 )
386 )
387 )
388 )
389 )
390 )
391 )
392 )
393 )
394 )
395 )
396 )
397 )
398 )
399 )
400 )
401 )
402 )
403 )
404 )
405 )
406 )
407 )
408 )
409 )
410 )
411 )
412 )
413 )
414 )
415 )
416 )
417 )
418 )
419 )
420 )
421 )
422 )
423 )
424 )
425 )
426 )
427 )
428 )
429 )
430 )
431 )
432 )
433 )
434 )
435 )
436 )
437 )
438 )
439 )
440 )
441 )
442 )
443 )
444 )
445 )
446 )
447 )
448 )
449 )
450 )
451 )
452 )
453 )
454 )
455 )
456 )
457 )
458 )
459 )
460 )
461 )
462 )
463 )
464 )
465 )
466 )
467 )
468 )
469 )
470 )
471 )
472 )
473 )
474 )
475 )
476 )
477 )
478 )
479 )
480 )
481 )
482 )
483 )
484 )
485 )
486 )
487 )
488 )
489 )
490 )
491 )
492 )
493 )
494 )
495 )
496 )
497 )
498 )
499 )
500 )
501 )
502 )
503 )
504 )
505 )
506 )
507 )
508 )
509 )
510 )
511 )
512 )
513 )
514 )
515 )
516 )
517 )
518 )
519 )
520 )
521 )
522 )
523 )
524 )
525 )
526 )
527 )
528 )
529 )
530 )
531 )
532 )
533 )
534 )
535 )
536 )
537 )
538 )
539 )
540 )
541 )
542 )
543 )
544 )
545 )
546 )
547 )
548 )
549 )
550 )
551 )
552 )
553 )
554 )
555 )
556 )
557 )
558 )
559 )
560 )
561 )
562 )
563 )
564 )
565 )
566 )
567 )
568 )
569 )
570 )
571 )
572 )
573 )
574 )
575 )
576 )
577 )
578 )
579 )
580 )
581 )
582 )
583 )
584 )
585 )
586 )
587 )
588 )
589 )
590 )
591 )
592 )
593 )
594 )
595 )
596 )
597 )
598 )
599 )
600 )
601 )
602 )
603 )
604 )
605 )
606 )
607 )
608 )
609 )
610 )
611 )
612 )
613 )
614 )
615 )
616 )
617 )
618 )
619 )
620 )
621 )
622 )
623 )
624 )
625 )
626 )
627 )
628 )
629 )
630 )
631 )
632 )
633 )
634 )
635 )
636 )
637 )
638 )
639 )
640 )
641 )
642 )
643 )
644 )
645 )
646 )
647 )
648 )
649 )
650 )
651 )
652 )
653 )
654 )
655 )
656 )
657 )
658 )
659 )
660 )
661 )
662 )
663 )
664 )
665 )
666 )
667 )
668 )
669 )
670 )
671 )
672 )
673 )
674 )
675 )
676 )
677 )
678 )
679 )
680 )
681 )
682 )
683 )
684 )
685 )
686 )
687 )
688 )
689 )
690 )
691 )
692 )
693 )
694 )
695 )
696 )
697 )
698 )
699 )
700 )
701 )
702 )
703 )
704 )
705 )
706 )
707 )
708 )
709 )
710 )
711 )
712 )
713 )
714 )
715 )
716 )
717 )
718 )
719 )
720 )
721 )
722 )
723 )
724 )
725 )
726 )
727 )
728 )
729 )
730 )
731 )
732 )
733 )
734 )
735 )
736 )
737 )
738 )
739 )
740 )
741 )
742 )
743 )
744 )
745 )
746 )
747 )
748 )
749 )
750 )
751 )
752 )
753 )
754 )
755 )
756 )
757 )
758 )
759 )
760 )
761 )
762 )
763 )
764 )
765 )
766 )
767 )
768 )
769 )
770 )
771 )
772 )
773 )
774 )
775 )
776 )
777 )
778 )
779 )
780 )
781 )
782 )
783 )
784 )
785 )
786 )
787 )
788 )
789 )
790 )
791 )
792 )
793 )
794 )
795 )
796 )
797 )
798 )
799 )
800 )
801 )
802 )
803 )
804 )
805 )
806 )
807 )
808 )
809 )
810 )
811 )
812 )
813 )
814 )
815 )
816 )
817 )
818 )
819 )
820 )
821 )
822 )
823 )
824 )
825 )
826 )
827 )
828 )
829 )
830 )
831 )
832 )
833 )
834 )
835 )
836 )
837 )
838 )
839 )
840 )
841 )
842 )
843 )
844 )
845 )
846 )
847 )
848 )
849 )
850 )
851 )
852 )
853 )
854 )
855 )
856 )
857 )
858 )
859 )
860 )
861 )
862 )
863 )
864 )
865 )
866 )
867 )
868 )
869 )
870 )
871 )
872 )
873 )
874 )
875 )
876 )
877 )
878 )
879 )
880 )
881 )
882 )
883 )
884 )
885 )
886 )
887 )
888 )
889 )
890 )
891 )
892 )
893 )
894 )
895 )
896 )
897 )
898 )
899 )
900 )
901 )
902 )
903 )
904 )
905 )
906 )
907 )
908 )
909 )
910 )
911 )
912 )
913 )
914 )
915 )
916 )
917 )
918 )
919 )
920 )
921 )
922 )
923 )
924 )
925 )
926 )
927 )
928 )
929 )
930 )
931 )
932 )
933 )
934 )
935 )
936 )
937 )
938 )
939 )
940 )
941 )
942 )
943 )
944 )
945 )
946 )
947 )
948 )
949 )
950 )
951 )
952 )
953 )
954 )
955 )
956 )
957 )
958 )
959 )
960 )
961 )
962 )
963 )
964 )
965 )
966 )
967 )
968 )
969 )
970 )
971 )
972 )
973 )
974 )
975 )
976 )
977 )
978 )
979 )
980 )
981 )
982 )
983 )
984 )
985 )
986 )
987 )
988 )
989 )
990 )
991 )
992 )
993 )
994 )
995 )
996 )
997 )
998 )
999 )
1000 )

```

```

126 X ILLUSTRATION OF THE ...
127 X ILLUSTRATION OF THE ...
128 X ILLUSTRATION OF THE ...
129 X ILLUSTRATION OF THE ...
130 X ILLUSTRATION OF THE ...
131 X ILLUSTRATION OF THE ...
132 X ILLUSTRATION OF THE ...
133 X ILLUSTRATION OF THE ...
134 X ILLUSTRATION OF THE ...
135 X ILLUSTRATION OF THE ...

```







THE ASSOCIATION OF QUALITATIVE RESEARCH







LINE	DESCRIPTION	AMOUNT	CREDIT	DEBIT	BALANCE
1	INITIAL BALANCE				100.00
2	SALES	100.00			200.00
3	SALES TAX	10.00			300.00
4	EXPENSES		100.00		200.00
5	EXPENSE TAX		10.00		190.00
6	RECEIPTS			100.00	90.00
7	RECEIPTS TAX			10.00	80.00
8	ADJUSTMENTS			10.00	70.00
9	ADJUSTMENTS TAX			10.00	60.00
10	CLOSING BALANCE				60.00

DEBIT BALANCE 100.00  
 CREDIT BALANCE 100.00  
 SALES 100.00  
 SALES TAX 10.00  
 EXPENSES 100.00  
 EXPENSE TAX 10.00  
 RECEIPTS 100.00  
 RECEIPTS TAX 10.00  
 ADJUSTMENTS 10.00  
 ADJUSTMENTS TAX 10.00  
 CLOSING BALANCE 60.00

WORK AREA 1 IV

SISI WPPROJET AZZAFIWA ZHPPPP

OPERATIONAL : 61112 +/CH      61112 +/CH      (X/100 )  
 SISI      APTI DE DIBER/OWA      =      100  
 GOOD      APTI DE DIBER/OWA      =      100  
 TOE      SISI      APTI DE DIBER/OWA      =      100  
 WETS      SISI      APTI DE DIBER/OWA      =      100  
 THERM      SISI      APTI DE DIBER/OWA      =      100  
 DIBER      SISI      APTI DE DIBER/OWA      =      100  
 AZZAFIWA      SISI      APTI DE DIBER/OWA      =      100

DATA LINE INTR

I      V      M      A      H      J      E      (MCM)

I	V	M	A	H	J	E	(MCM)
1	5.1	10.2	15.3	20.4	25.5	30.6	35.7
2	5.2	10.4	15.6	20.8	26.0	31.2	36.4
3	5.3	10.6	15.9	21.1	26.3	31.5	36.7
4	5.4	10.8	16.2	21.4	26.6	31.8	37.0
5	5.5	11.0	16.5	21.7	26.9	32.1	37.3
6	5.6	11.2	16.8	22.0	27.2	32.4	37.6
7	5.7	11.4	17.1	22.3	27.5	32.7	37.9
8	5.8	11.6	17.4	22.6	27.8	33.0	38.2
9	5.9	11.8	17.7	22.9	28.1	33.3	38.5
10	6.0	12.0	18.0	23.2	28.4	33.6	38.8
11	6.1	12.2	18.3	23.5	28.7	33.9	39.1
12	6.2	12.4	18.6	23.8	29.0	34.2	39.4
13	6.3	12.6	18.9	24.1	29.3	34.5	39.7
14	6.4	12.8	19.2	24.4	29.6	34.8	40.0
15	6.5	13.0	19.5	24.7	29.9	35.1	40.3
16	6.6	13.2	19.8	25.0	30.2	35.4	40.6
17	6.7	13.4	20.1	25.3	30.5	35.7	40.9
18	6.8	13.6	20.4	25.6	30.8	36.0	41.2
19	6.9	13.8	20.7	25.9	31.1	36.3	41.5
20	7.0	14.0	21.0	26.2	31.4	36.6	41.8



SISTEM COMPLET ARZATIR+AMRKA/UEA FOCAR

COMBINATIA:G1112 +ACDZ -G11P55+AM10 (V/I = 453)

PRESIUNEA AMONIE DIAFRAGMA = 7.5  
 CADREEA DE PRESIUNE DIAFRAGMA = 119.000  
 PRESIUNEA AMONIE CLAPEI = 543.000  
 PRESIUNEA AVAIA CLAPEI = 12.000  
 TEMPERATURA = 474.000  
 DEBIT VOLUMETRIC TOTAL DE UER = 135  
 RAZFLE = 42

DATELE DE INTARE

GRADE CELSIUS  
 MCA3 N/H

I	DIAM	A	C	R	D	E (MCA)
1	5	75	50	11	2	1.15
2	5	55	50	11	2	1.15
3	15	55	50	11	2	1.15
4	15	55	50	11	2	1.15
5	25	55	50	11	2	1.15
6	25	55	50	11	2	1.15
7	35	55	50	11	2	1.15
8	35	55	50	11	2	1.15
9	45	55	50	11	2	1.15
11	55	55	50	11	2	1.15
11	55	55	50	11	2	1.15
12	55	55	50	11	2	1.15
13	65	55	50	11	2	1.15
14	65	55	50	11	2	1.15
15	75	55	50	11	2	1.15
16	75	55	50	11	2	1.15
17	85	55	50	11	2	1.15
18	85	55	50	11	2	1.15
19	95	55	50	11	2	1.15
21	115	55	50	11	2	1.15
22	115	55	50	11	2	1.15
23	115	55	50	11	2	1.15
24	115	55	50	11	2	1.15
25	115	55	50	11	2	1.15
26	115	55	50	11	2	1.15
27	115	55	50	11	2	1.15
28	115	55	50	11	2	1.15
29	115	55	50	11	2	1.15
30	115	55	50	11	2	1.15
31	115	55	50	11	2	1.15
32	115	55	50	11	2	1.15
33	115	55	50	11	2	1.15
34	115	55	50	11	2	1.15
35	115	55	50	11	2	1.15
36	115	55	50	11	2	1.15
37	115	55	50	11	2	1.15
38	115	55	50	11	2	1.15
39	115	55	50	11	2	1.15
40	115	55	50	11	2	1.15
41	115	55	50	11	2	1.15
42	115	55	50	11	2	1.15
43	115	55	50	11	2	1.15
44	115	55	50	11	2	1.15
45	115	55	50	11	2	1.15
46	115	55	50	11	2	1.15
47	115	55	50	11	2	1.15
48	115	55	50	11	2	1.15
49	115	55	50	11	2	1.15
50	115	55	50	11	2	1.15
51	115	55	50	11	2	1.15
52	115	55	50	11	2	1.15
53	115	55	50	11	2	1.15
54	115	55	50	11	2	1.15
55	115	55	50	11	2	1.15





MINI PROJECT REPORT

COMPILED BY: [Name] (17004400)

DATE OF SUBMISSION: [Date]

INSTITUTION: [Institution Name]

DEPARTMENT: [Department Name]

TECHNICAL STAFF: [Staff Name]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

REVISION: [Revision Number]

1 01 4 0 0 E (MCA)

[Main body of the report containing multiple paragraphs of text, some of which are obscured by heavy noise and artifacts.]





PRESIUNE AVANT DIAFRAGMA = 119.000 MPa  
 CADEREA DE PRESIUNE DIAFRAGMA = 7.100 MPa  
 PRESIUNE AVANT CLAPETA = 562.000 MPa  
 TEMPERATURA = 12.000 C  
 DEBIT AER = 474.000 KG/H  
 DEBIT COMBUSTIBIL = 41.000 KG/H  
 VOLUMAZEL = 56.000 MPa  
 GAZE A. DEBE = 135 MPa  
 TOTAL = 56.000 MPa

CAZUL CURTEI D21  
 TG32R

I	VD	VX(M/S)	VY(M/S)	VZ(M/S)	PS(MPa)
1	5.000	14.1297	-13.7481	-1.5427	1.4273
2	5.000	13.8899	-14.0594	-1.2232	1.1591
3	15.000	13.5277	-14.2359	-1.5218	1.1709
4	15.000	13.0015	-14.0574	-1.3787	1.1709
5	15.000	11.0015	-11.9047	-1.0000	1.1709
6	15.000	11.0015	-11.9047	-1.0000	1.1709
7	15.000	11.0015	-11.9047	-1.0000	1.1709
8	15.000	11.0015	-11.9047	-1.0000	1.1709
9	15.000	11.0015	-11.9047	-1.0000	1.1709
10	15.000	11.0015	-11.9047	-1.0000	1.1709
11	15.000	11.0015	-11.9047	-1.0000	1.1709
12	15.000	11.0015	-11.9047	-1.0000	1.1709
13	15.000	11.0015	-11.9047	-1.0000	1.1709
14	15.000	11.0015	-11.9047	-1.0000	1.1709
15	15.000	11.0015	-11.9047	-1.0000	1.1709
16	15.000	11.0015	-11.9047	-1.0000	1.1709
17	15.000	11.0015	-11.9047	-1.0000	1.1709
18	15.000	11.0015	-11.9047	-1.0000	1.1709
19	15.000	11.0015	-11.9047	-1.0000	1.1709
20	15.000	11.0015	-11.9047	-1.0000	1.1709
21	15.000	11.0015	-11.9047	-1.0000	1.1709
22	15.000	11.0015	-11.9047	-1.0000	1.1709
23	15.000	11.0015	-11.9047	-1.0000	1.1709
24	15.000	11.0015	-11.9047	-1.0000	1.1709
25	15.000	11.0015	-11.9047	-1.0000	1.1709
26	15.000	11.0015	-11.9047	-1.0000	1.1709
27	15.000	11.0015	-11.9047	-1.0000	1.1709
28	15.000	11.0015	-11.9047	-1.0000	1.1709
29	15.000	11.0015	-11.9047	-1.0000	1.1709
30	15.000	11.0015	-11.9047	-1.0000	1.1709
31	15.000	11.0015	-11.9047	-1.0000	1.1709
32	15.000	11.0015	-11.9047	-1.0000	1.1709
33	15.000	11.0015	-11.9047	-1.0000	1.1709
34	15.000	11.0015	-11.9047	-1.0000	1.1709
35	15.000	11.0015	-11.9047	-1.0000	1.1709
36	15.000	11.0015	-11.9047	-1.0000	1.1709
37	15.000	11.0015	-11.9047	-1.0000	1.1709
38	15.000	11.0015	-11.9047	-1.0000	1.1709
39	15.000	11.0015	-11.9047	-1.0000	1.1709
40	15.000	11.0015	-11.9047	-1.0000	1.1709
41	15.000	11.0015	-11.9047	-1.0000	1.1709
42	15.000	11.0015	-11.9047	-1.0000	1.1709
43	15.000	11.0015	-11.9047	-1.0000	1.1709
44	15.000	11.0015	-11.9047	-1.0000	1.1709
45	15.000	11.0015	-11.9047	-1.0000	1.1709
46	15.000	11.0015	-11.9047	-1.0000	1.1709
47	15.000	11.0015	-11.9047	-1.0000	1.1709
48	15.000	11.0015	-11.9047	-1.0000	1.1709
49	15.000	11.0015	-11.9047	-1.0000	1.1709
50	15.000	11.0015	-11.9047	-1.0000	1.1709
51	15.000	11.0015	-11.9047	-1.0000	1.1709
52	15.000	11.0015	-11.9047	-1.0000	1.1709
53	15.000	11.0015	-11.9047	-1.0000	1.1709
54	15.000	11.0015	-11.9047	-1.0000	1.1709
55	15.000	11.0015	-11.9047	-1.0000	1.1709

MOVEMENTUL CINETIC =  
 IMPULSUL DYNAMIC =  
 IMPULSUL STATIC =  
 DEBITUL VOLUMETRIC =  
 DEBITUL VOLUMETRIC RELATIV =  
 NR. DE TURRIONARE RELATIV =  
 C.2846E C1  
 0.8855E 00

