

1	000000I	SUBROUTINE BOUNC(IE,F)	1587
2	000004I	DIMENSION F(21,18,10)	1588
3	000004I	COMMON	1589
4		1/VAR/ U(21,18,10),V(21,18,10),P(21,18,10),OK(21,18,10),	1590
5		2 DE(21,18,10),ERRU,ERRV,ERRM,ERRK,ERRE,ERRW,	1591
6		3 PF(21,18,10),W(21,18,10),TM(21,18,10)	1592
7		1/PRCP/ VISE(21,18,10),DEN(21,18,10),VISC,DENIN,FLOWIN	1593
8		1/PCCR/ CU(21,18,10),DV(21,18,10),DW(21,18,10)	1594
9		1/TUR/ SIGK,SIGE,CMU,C1,C2,CMU1,CMU2,E,CK,HINUM,SMNUM,ANV1(800),	1595
10		2 YN(SQC),YN1(800),SINX(800),SINY(800),SINZ(800),ANW1(800),	1596
11		3 YPLN(800),TALN(800),I9C(800),J8C(800),K8C(800),IITY(800),	1597
12		4 TALW(800),GEN(21,18,10),MC(21,18,10),IJLO(21,18,10),IITO	1598
13		1/COEF/ AP(21,18,10),SU(21,18,10),SP(21,18,10),SUK(21,18,10),	1599
14		2 SPK(21,18,10),AE(21,18,10),AW(21,18,10),AN(21,18,10),	1600
15		3 AS(21,18,10),AT(21,18,10),AB(21,18,10),APO(21,18,10)	1601
16	000004I	COMMON	1602
17		1/TRAN/ X(21,18,10),Y(21,18,10),Z(21,18,10),TJO(21,18,10),	1603
18		2 CX(21,18,10),CY(21,18,10),CZ(21,18,10),	1604
19		3 EX(21,18,10),EY(21,18,10),EZ(21,18,10),	1605
20		3 SX(21,18,10),SY(21,18,10),SZ(21,18,10)	1606
21		1/LIMIT/ L,M,LT,MT,L1,L2,M1,M2,LO,MO,ISWU,ISWV,ISWK,ISWE,	1607
22		2 ALU,ALV,ALP,ALK,ALE,ALVIS,ALW,N,N1,N2,N0,ISWW,IG,NT,ALC,OTT	1608
23		C-----EVALUATE WALL BOUNDARY CONDITIONS USING WALL FUNCTIONS	1609
24	000004I	DO 150 III=1,IITO	1610
25	000024I	I=I8C(III)	1611
26	000038I	J=J8C(III)	1612
27	00004CI	K=K8C(III)	1613
28	000060I	GO TO (1,2,3,4,5,6), IITY(III)	1614
29	00009EI	1 CONTINUE	1615
30		C-----NORTH	1616
31	00009EI	YP=YN(III)	1617
32	000032I	YP1=YN1(III)	1618
33	0000C6I	CDK=DK(I,J,K)	1619
34	0000F2I	CDE=DE(I,J,K)	1620
35	00011EI	CDEN=DEN(I,J,K)	1621
36	00014AI	CALL WALLFN(IE,YP,YP1,CDK,CDE,CDEN,SINX(III),SINY(III),	1622
37		1 SINZ(III),F(I,J+1,K),AN(I,J,K),SU(I,J,K),SP(I,J,K),	1623
38		2 TALN(III),YPLN(III),GEN(I,J,K),VISE(I,J,K),	1624
39		3 U(I,J+1,K),V(I,J+1,K),W(I,J+1,K),U(I,J,K),V(I,J,K),	1625
40		4 W(I,J,K),U(I,J-1,K),V(I,J-1,K),W(I,J-1,K),	1626
41		5 -SPK(I,J,K),SPK(I,J,K),ANV1(III),ANW1(III),TJO(I,J,K))	1627
42	0005B4I	GO TO 150	1628
43	0005BAI	2 CONTINUE	1629
44		C-----SOUTH	1630
45	0005BAI	YP=YN(III)	1631
46	0005CEI	YP1=YN1(III)	1632
47	0005E2I	CDK=DK(I,J,K)	1633
48	00060EI	CDE=DE(I,J,K)	1634
49	00063AI	CDEN=DEN(I,J,K)	1635
50	000666I	CALL WALLFN(IE,YP,YP1,CDK,CDE,CDEN,SINX(III),SINY(III),	1636
51		1 SINZ(III),F(I,J-1,K),AN(I,J,K),SU(I,J,K),SP(I,J,K),	1637
52		2 TALN(III),YPLN(III),GEN(I,J,K),VISE(I,J,K),	1638
53		3 U(I,J-1,K),V(I,J-1,K),W(I,J-1,K),U(I,J,K),V(I,J,K),	1639
54		4 W(I,J,K),U(I,J+1,K),V(I,J+1,K),W(I,J+1,K),	1640
55		5 -SPK(I,J,K),SPK(I,J,K),ANV1(III),ANW1(III),TJO(I,J,K))	1641
56	000400I	GO TO 150	1642
57	000A06I	3 CONTINUE	1643

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