

115	0006E8I	OKO(I,J,K)=OK(I,J,K)	115	56
116	000734I	DEO(I,J,K)=DE(I,J,K)	116	57
117	000780I	DENC(I,J,K)=DEN(I,J,K)	117	58
118	0007CCI	50 CONTINUE	118	59
119		C*****	119	
120		C-----GET BOUNDARY CONTROL PARAMETERS	120	
121	000814I	CALL DIRCOS	121	60
122		C-----SET BOUNDARY TURBULENCE QUANTITIES TO ZERO	122	
123	00081CI	DO 121 I=1,L	123	61
124	000830I	DO 121 J=1,M	124	62
125	000844I	DO 121 K=1,N	125	63
126	000858I	IF(MC(I,J,K).NE.0) GO TO 122	126	64
127	00088EI	GO TO 121	127	66
128	000894I	122 OK(I,J,K)=0.0	128	67
129	0008C0I	DE(I,J,K)=0.0	129	68
130	0008ECI	U(I,J,K)=0.0	130	69
131	000918I	V(I,J,K)=0.0	131	70
132	000944I	W(I,J,K)=0.0	132	71
133	000970I	121 CONTINUE	133	72
134		C-----CALCULATE GRID TRANSFORMATION COEFFICIENTS	134	
135	000988I	CALL TRANSF	135	73
136		C-----TURBULENT VISCOSITY	136	
137	0009C0I	IF(INPRC) CALL NEWVIS	137	74
138		C-----CALCULATE INLET MASS FLOW RATE	138	
139	0009D4I	FLOWIN=0.0	139	76
140	0009E0I	I=1	140	77
141	0009E8I	DO 45 J=2,M	141	78
142	0009FCI	DO 45 K=2,N	142	79
143	000A10I	UC=(U(I,J,K)+U(I,J-1,K)+U(I,J,K-1)+U(I,J-1,K-1))*0.25	143	80
144	000AC0I	DENC=(DEN(I,J,K)+DEN(I,J-1,K)+DEN(I,J,K-1)+DEN(I,J-1,K-1))*0.25	144	81
145	000B70I	P1=(X(I,J,K)+X(I,J,K-1)-X(I,J-1,K)-X(I,J-1,K-1))*0.5	145	82
146	000C20I	P2=(Y(I,J,K)+Y(I,J,K-1)-Y(I,J-1,K)-Y(I,J-1,K-1))*0.5	146	83
147	000C00I	P3=(Z(I,J,K)+Z(I,J,K-1)-Z(I,J-1,K)-Z(I,J-1,K-1))*0.5	147	84
148	000D80I	Q1=(X(I,J,K)+X(I,J-1,K)-X(I,J,K-1)-X(I,J-1,K-1))*0.5	148	85
149	000E30I	Q2=(Y(I,J,K)+Y(I,J-1,K)-Y(I,J,K-1)-Y(I,J-1,K-1))*0.5	149	86
150	000EE0I	Q3=(Z(I,J,K)+Z(I,J-1,K)-Z(I,J,K-1)-Z(I,J-1,K-1))*0.5	150	87
151	000F90I	AREA=SQRT(P1*P1+P2*P2+P3*P3)*SQRT(Q1*Q1+Q2*Q2+Q3*Q3)	151	88
152	00102CI	FLOWIN=FLOWIN+DENC*AREA*UC	152	89
153	00104AI	45 CONTINUE	153	90
154	00107AI	ITC=1	154	91
155		C-----TRANSIENT PROCESS	155	
156	001032I	2 CONTINUE	156	92
157	001082I	CALL SYMCUT(3,1,2,L,2,M,2,N)	157	93
158	00100CI	ITER=1	158	94
159		C-----SOLUTION PROCEDURES START	159	
160	0010E4I	1 CONTINUE	160	95
161	0010E4I	CALL SYMCUT(1,1,2,LT,2,MT,2,NT)	161	96
162	001140I	IF(INSOU) CALL SOLVEQ(1,ISWU,ALU,SIGU,ERRU,U,UC)	162	97
163	001184I	IF(INSOV) CALL SOLVEQ(2,ISWV,ALV,SIGV,ERRV,V,VO)	163	99
164	0011C8I	IF(INSOW) CALL SOLVEQ(3,ISWW,ALW,SIGW,ERRW,W,WO)	164	101
165	00120CI	IF(INSOT) CALL SOLVEQ(4,ISWT,ALW,SIGT,ERRT,TM,TMO)	165	103
166	001230I	IF(INSCK) CALL SOLVEQ(5,ISWK,ALK,SIGK,ERRK,CK,CKO)	166	105
167	001294I	IF(INSOE) CALL SOLVEQ(6,ISWE,ALE,SIGE,ERRE,DE,DEO)	167	107
168	001208I	IF(INSOP) CALL SOLVEQ(7,ISWP,ALP,SIGP,ERRP,PP,PP)	168	109
169	00131CI	IF(INPRC) CALL NEWVIS	169	111
170		C-----CONVERGENCE CHECK	170	
171	001330I	WRITE(6,300) ITER,ERRU,ERRV,ERRW,ERRM,ERRK,ERRE,U(7,2,6)	171	113

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