

58	0008C8I	PQ=SQRT(P1*P1+P2*P2+P3*P3)	261	44
59	000912I	P1=P1/PC	262	45
60	000924I	P2=P2/PC	263	46
61	000936I	P3=P3/PC	264	47
62	000948I	R1=(1.-P1**2)	265	48
63	000964I	R2=(1.-P2**2)	266	49
64	000980I	R3=(1.-P3**2)	267	50
65	00099CI	SINX(III)=SQRT(R1)	268	51
66	0009C2I	SINY(III)=SQRT(R2)	269	52
67	0009E6I	SINZ(III)=SQRT(R3)	270	53
68	000A0AI	Q1=X(I,J,K)-X(I,J1,K)	271	54
69	000A5CI	Q2=Y(I,J,K)-Y(I,J1,K)	272	55
70	000AAEI	Q3=Z(I,J,K)-Z(I,J1,K)	273	56
71	000B00I	AA=SQRT((Q1-P1)**2+(Q2-P2)**2+(Q3-P3)**2)	274	57
72	000B7EI	CC=1.0	275	58
73	000B8AI	BB=SQRT(Q1*Q1+Q2*Q2+Q3*Q3)	276	59
74	000B06I	COTH=(BB*BB+CC*CC-AA*AA)/(2*BB*CC)	277	60
75	000C18I	YN(III)=BB*ABS(COTH)	278	61
76	000C44I	Q1=X(I,J,K)-X(I,J2,K)	279	62
77	000C96I	Q2=Y(I,J,K)-Y(I,J2,K)	280	63
78	000CE8I	Q3=Z(I,J,K)-Z(I,J2,K)	281	64
79	000D3AI	BB=SQRT(Q1*Q1+Q2*Q2+Q3*Q3)	282	65
80	000D86I	AA=SQRT((Q1-P1)**2+(Q2-P2)**2+(Q3-P3)**2)	283	66
81	000E02I	COTH=(BB*BB+CC*CC-AA*AA)/(2*BB*CC)	284	67
82	000E44I	YN(III)=(BB*ABS(COTH)+YN(III))*0.5	285	68
83	000E84I	IJLC(I,J,K)=III	286	69
84	000E80I	III=III+1	287	70
85	000E8EI	2 CONTINUE	288	71
86	000E8EI	IF(MC(I,J-1,K).EQ.0) GO TO 3	289	72
87		C-----SOUTH	290	
88	000EF8I	IBC(III)=I	291	74
89	000F0CI	JBC(III)=J	292	75
90	000F20I	KBC(III)=K	293	76
91	000F34I	IITY(III)=2	294	77
92	000F44I	I1=I+1	295	78
93	000F52I	I2=I-1	296	79
94	000F60I	K1=K+1	297	80
95	000F6EI	K2=K-1	298	81
96	000F7CI	J1=J+1	299	82
97	000F8AI	J2=J-2	300	83
98	000F98I	P1=(Y(I1,J,K1)-Y(I1,J,K2))*(Z(I1,J,K2)-Z(I2,J,K))-	301	84
99		1 (Z(I1,J,K1)-Z(I1,J,K2))*(Y(I1,J,K2)-Y(I2,J,K))	302	
100	001004I	P2=(Z(I1,J,K1)-Z(I1,J,K2))*(X(I1,J,K2)-X(I2,J,K))-	303	85
101		1 (X(I1,J,K1)-X(I1,J,K2))*(Z(I1,J,K2)-Z(I2,J,K))	304	
102	001210I	P3=(X(I1,J,K1)-X(I1,J,K2))*(Y(I1,J,K2)-Y(I2,J,K))-	305	86
103		1 (Y(I1,J,K1)-Y(I1,J,K2))*(X(I1,J,K2)-X(I2,J,K))	306	
104	00134CI	PQ=SQRT(P1*P1+P2*P2+P3*P3)	307	87
105	001396I	P1=P1/PC	308	88
106	0013A8I	P2=P2/PC	309	89
107	0013BAI	P3=P3/PC	310	90
108	0013CCI	R1=(1.-P1**2)	311	91
109	0013E8I	R2=(1.-P2**2)	312	92
110	001404I	R3=(1.-P3**2)	313	93
111	001420I	SINX(III)=SQRT(R1)	314	94
112	001446I	SINY(III)=SQRT(R2)	315	95
113	00146AI	SINZ(III)=SQRT(R3)	316	96
114	00148EI	Q1=X(I,J,K)-X(I,J1,K)	317	97