

Minutes of the Ordinary Meeting of the Cape Centre held at SIAAO on Wed. 14/12 April 1982 at 8 pm.

The chairman Mr Bondiotti opened the meeting. Present were 25 members and 4 visitors. Apologies for absence were received from Mr O'Keefe, Mr Sumanov, Mr & Mrs Sessions, Mr Spencer-Jones.

A famous astronomer from the past, ~~was~~ General vd Spuy from Stellenbosch turned 90 recently. Mr Hurley (junior) suggested we pay him a visit.

Mr Bondiotti mentioned that the new planetarium projector had arrived safely in 3 packing cases. ~~It~~ It will require a 50 metre dome.

The speaker was Professor Stibbs from the University of St Andrews in Scotland. His subject: "Stars with Magnetic Personality".

He started by saying that some stars are more "special" than others and drew our attention to one called HD 125 248 in which the magnetic field varies, light varies and ^{element} Europium apparently varies.

He explained how the magnetic field could be measured if it ~~is~~ did not coincide with the axis of rotation. He said that in the observable universe there was a random distribution of axes of rotation and magnetic poles. Dipoles as well as quadrupoles were observed in nature. He had with himself a small computer with which he produced print-outs of details of certain hypothetical stars. (one offered to follow my page)

[Signature]

OBLIQUE
QUADRUPOLE
ROTATOR

U=0.5000
I=30.0000
BETA=80.0000
DPHI=0.0500

01*LBL "OPR"		
02 "OBLIQUE"		
03 RVIEW		
04 "QUADRUPOLE"		
05 RVIEW	0.0000	***
06 "ROTATOR"	0.0000	***
07 RVIEW		
08 ADV	0.0500	**
09 TONE 9	0.0037	***
10 "U="		
11 PROMPT	0.1000	***
12 STO 06	-0.0024	***
13 ARCL X		
14 RVIEW	0.1500	***
15 TONE 9	-0.0105	***
16 "I="		
17 PROMPT	0.2000	***
18 STO 01	-0.0101	***
19 ARCL X		
20 RVIEW	0.2500	***
21 TONE 9	-0.0233	***
22 "BETA="		
23 PPA=""	0.3000	***
24 STO 02	-0.0250	***
25 ARCL X		
26 RVIEW	0.3500	**
27 TONE 9	-0.0277	***
28 "DPHI="		
29 PROMPT	0.4000	**
30 STO 03	-0.0204	***
31 ARCL X		
32 RVIEW	0.4500	***
33 CLD	-0.0174	***
34 ADV		
35*LBL 9	0.5000	***
36 0	-0.0162	***
37 STO 04		
38 RCL 00	0.5500	***
39 3	-0.0174	***
40 RCL 00		
41 -	0.6000	***
42	-0.0204	***
43 16		
44 1/X	0.6500	***
45 *	-0.0236	***
46 STO 07		
47 DEG	0.7000	**
48 RCL 01	-0.0250	***
49 SIN		
50 RCL 02	0.7500	***
51 SIN	-0.0233	***
52 *		
53 STO 05	0.8000	**
54 RCL 01	-0.0101	***
55 COS		
56 RCL 02	0.8500	***
57 COS	-0.0105	***
58 *		
59 RCL 04	0.9000	***
60 GTD 11	-0.0024	***
61*LBL 12		
62 RCL 03	0.9500	***
63 +	0.0037	***
64 STO 04		
65*LBL 11	1.0000	**
66 2	0.0050	***
67 PT		
68 *		
69 *		

64 STO 04
65+LBL 11
66 2
67 PI
68 *
69 *
70 R01
71 000
72 RCL 05
73 *
74 +
75 YTO
76 2
77 *
78 1
79 -
80 2
81 *
82 1
83 +
84 RCL 07
85 *
86 RCL 04
87 F01 55
88 PPV
89 PDN
90 F01 55
91 PPV
92 000
93 X<Y
94 00
95 1
96 X=Y?
97 GTD 13
98 RDN
99 GTD 12
100+LBL 13
101 BEEP
102 END