

Drum

206374

45233

30A(14)
50VKA

31

Card

21 38.8 +26 31 GFD

m(I)

7.46 +0.70 +0.19 (3)

7.17 +0.25 (1)

0(13-4) +015

0(20-0) +09

428

442

267

71/1.4

629

629

+35.8 -46.7 -26.6

+9 -3 -13

→ +39.7 -47.9 -32.0

+40° 4631

21 42.5 +41 22

400
400
MO

7 5253

9.63 +1.345 +1.195 (2)

49M(10)

8.76 +0.59 (3)

M(I)

$\Delta(B-v) + 0.25$

$\Delta(U-B) + 0.95$

6.98
7.17

1.19

M(PT)

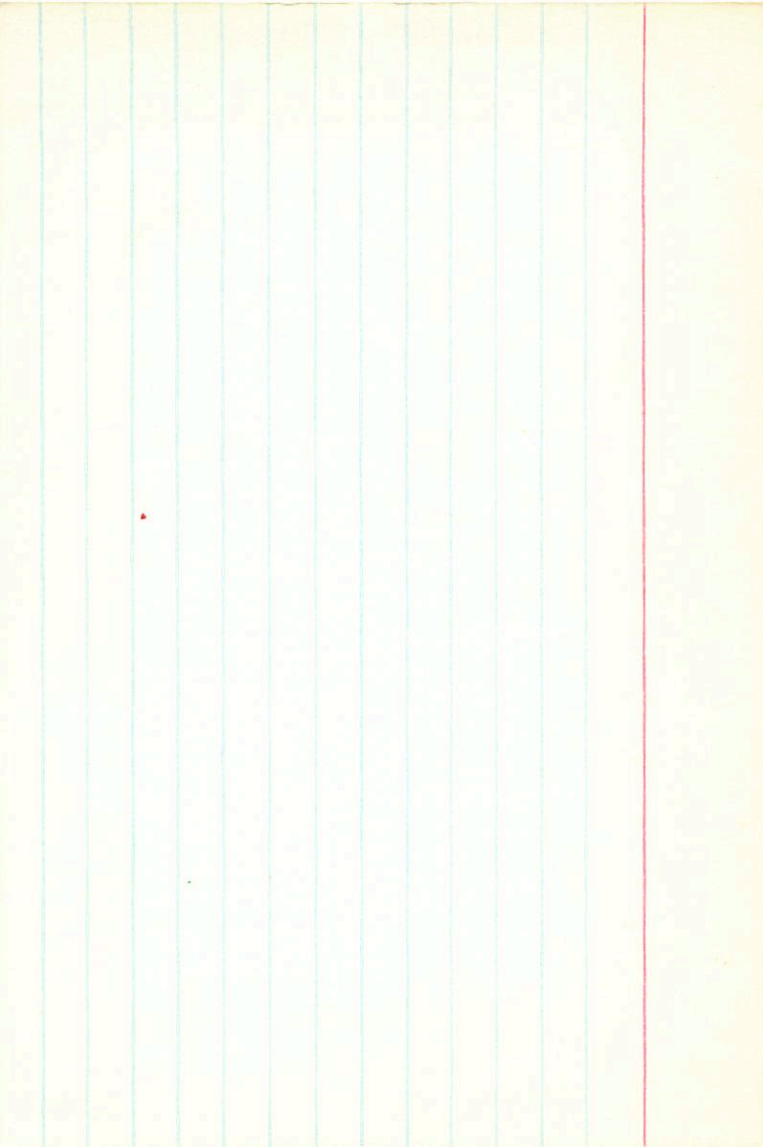
0.58

u v w

+6.5 -20.5 +4.7

+3 0 1

~~55.0 +0.49 +0.61~~
-21.0 -0.49 +0.61



Calculated

42204567

22 8.1 +22 33

1P3E

45365

7M(7)

334h(7)

$$9.22 + 0.91 + 0.68 \text{ (2)}$$

$$8.74 + 0.39 \text{ (2)}$$

$$\Delta(B-v) + 145$$

$$\Delta(N-B) + 255$$

m(±)

$$+5.84$$

$$\frac{83}{2.89}$$

$$28.7$$

π(μA)

033

031

u v w

050

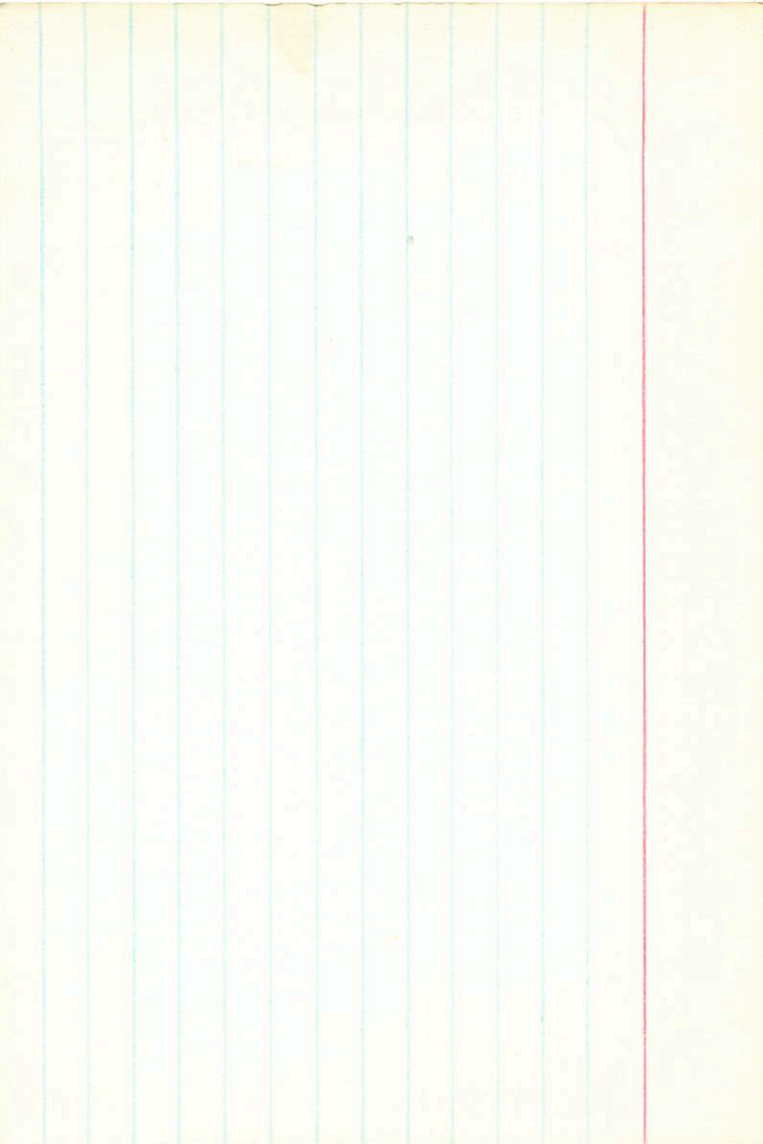
$$-69.2 -10.5 +53.3$$

$$-23 +4 +14$$

$$-0.574$$

0.210

$$\rightarrow -73.8 -9.7 +56.1$$



old

AC 444,555 - 266 22 43.6 + 45.08

45513

266(10)
304h(7)

10.46 + 1.24 + 120 ①

9.64 + 0.555 ②

m(I) π (pt)

$\Delta(15-v) + 105$
 $\Delta(12-v) + 085$

✓ 6.80
9.13 - 034
23.8

26

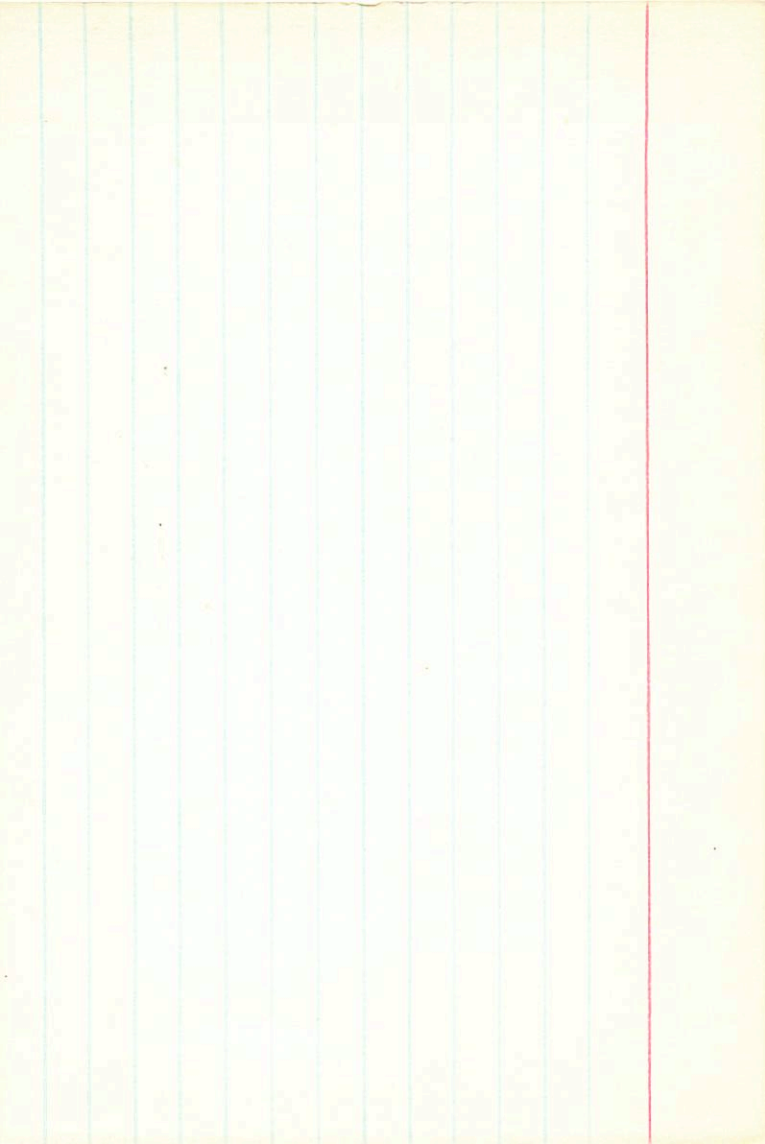
M ✓ W

✓ + 40.1 - 37.4 - 25.7

✓ + 15 - 5 - 10

+ 0.480 - 0.040

- 23.0



219 134

23 10.9

+56 53

123 II

Used

+5614

140 A (20)

~~159 m (8)~~

144 S (24)

142

5.58 +1.01 +0.88 ③

5.08 +0.355 stay

$\Delta(B-v) -0.3$

$\Delta(U-B) -0.85$

11(2)

349

473

-71

1124

1385

-0.72

n v w

+58.7 -41.1 -15.5

+90 -34 -23

→ +65.0 -43.4 -17.0

+805036 23 15.0 +9 25

not yet

$$9.72 + 1.125 + 0.575 \text{ (2)}$$

$$9.02 + 0.445 \text{ (2)}$$

$$S(15-v) + 105$$

$$S(20-S) + 215$$

$$m(\pm) \quad 7/100$$

$$662 \quad 0415$$

$$\checkmark 852$$

$$190$$

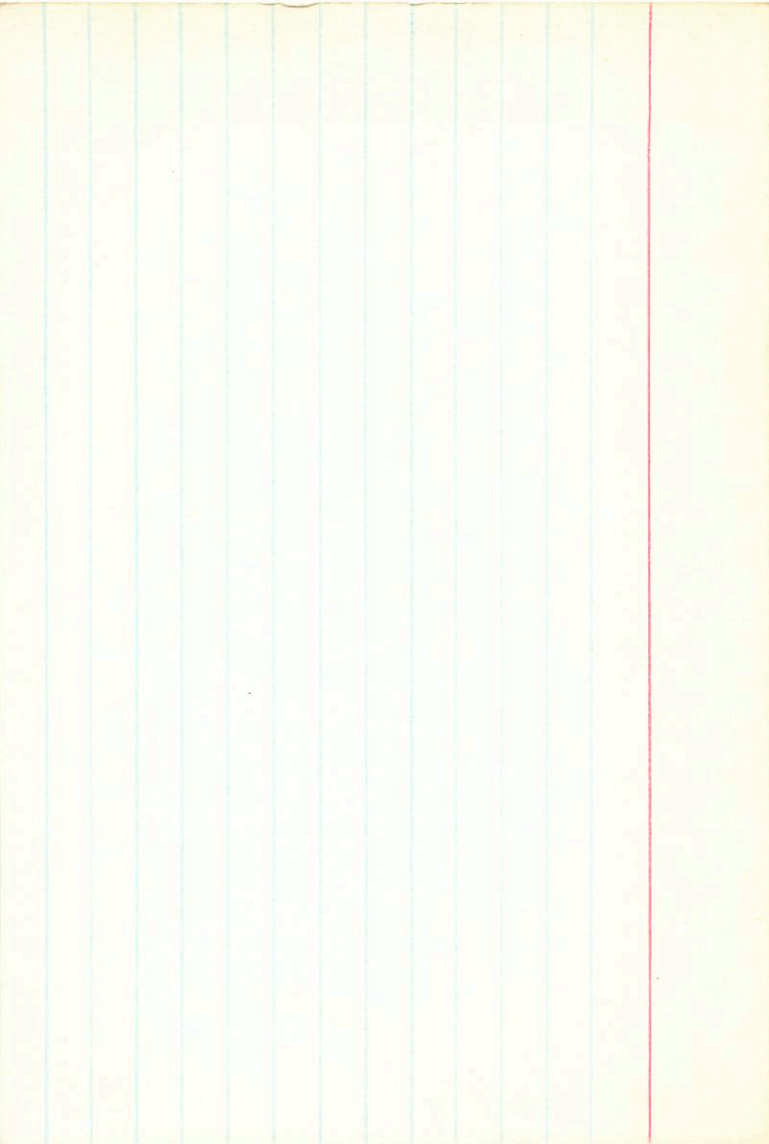
N U W

$$\checkmark +8.0 + 11.2 - 23.8$$

$$+4 - 2 - 2$$

$$+245 + 101 - 025$$

10/10/17



220445

Y1 5661

16M(8)

23 21.1 +45 31 115
105

$$A \quad 8.58 + 0.95 + 0.75 \textcircled{2} \quad 1$$

$$8.10 + 0.36 \textcircled{2}$$

$$\Delta(13-1) + 0.4$$

$$\Delta(14-13) + 0.65$$

$n_1(I)$

5.99

774

$\frac{2.25 \pi (10^4)}$

$$B \quad 9.32 + 1.095 + 1.04 \textcircled{2}$$

$$8.68 + 0.38 \textcircled{2}$$

$$\Delta(13-1) - 0.65$$

$$\Delta(14-13) - 2.6$$

0395

0325

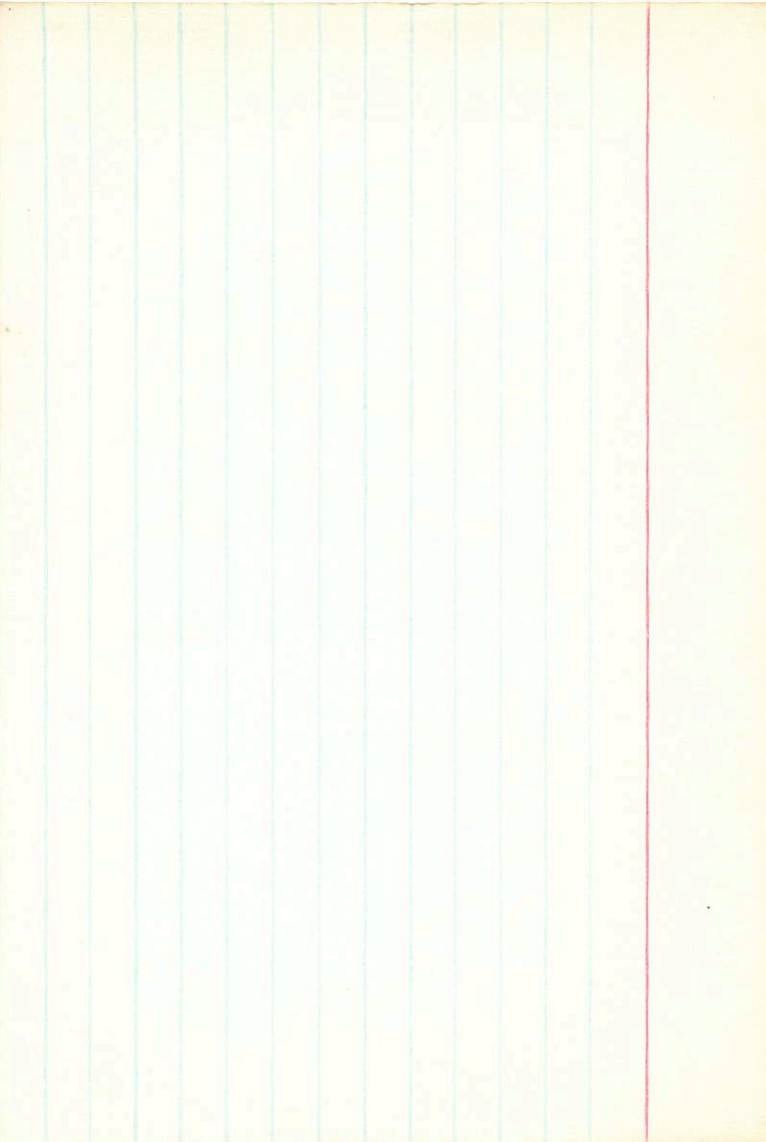
5.68

8.80

$\frac{2.6 \pi (0.33)}$

5

000



dead

+15° 4829 20 25.9 +15 47 d105

15684

34m(14)

A 9.80 +1.13 +0.985 ②

9.18 +0.455 ③

m(I)

$\Delta(B-u) = +0.2$

$B(u-B) + 115$
 $+ 6.42$

$\frac{8.22}{2.30} \times 11(14)$

0.33

0.345

B 14.01 +1.59 - ①

12.97 +1.06 ②

$B(u-u)$

m(I) = 9.31

11.71

grad

u v w

-3.4 -42.4 +20.2

+0.255-0.85

480

+0° 50.7 23 32.5 +1 19 dm1

45702.1

58m(6)

9.59 +1.35

+1.85

②

m(I)

8.76 +0.67

②

7(1/2)

067

✓ 7.21

809

~~88~~

0(13-14) +0.4

5(12-13) +0.95

m v w

504

+335

M.S

✓ +22.5-5.4-16

+15-5-4

Handwritten text at the top left, possibly a name or date.

+250 5007 23 46.8 +30 03

Not job

9.35 +126 +119 ①

8.57 +0.49 ②

$\Delta(N-A) -03$

$\Delta(N-B) 00$

M(I) M(A)

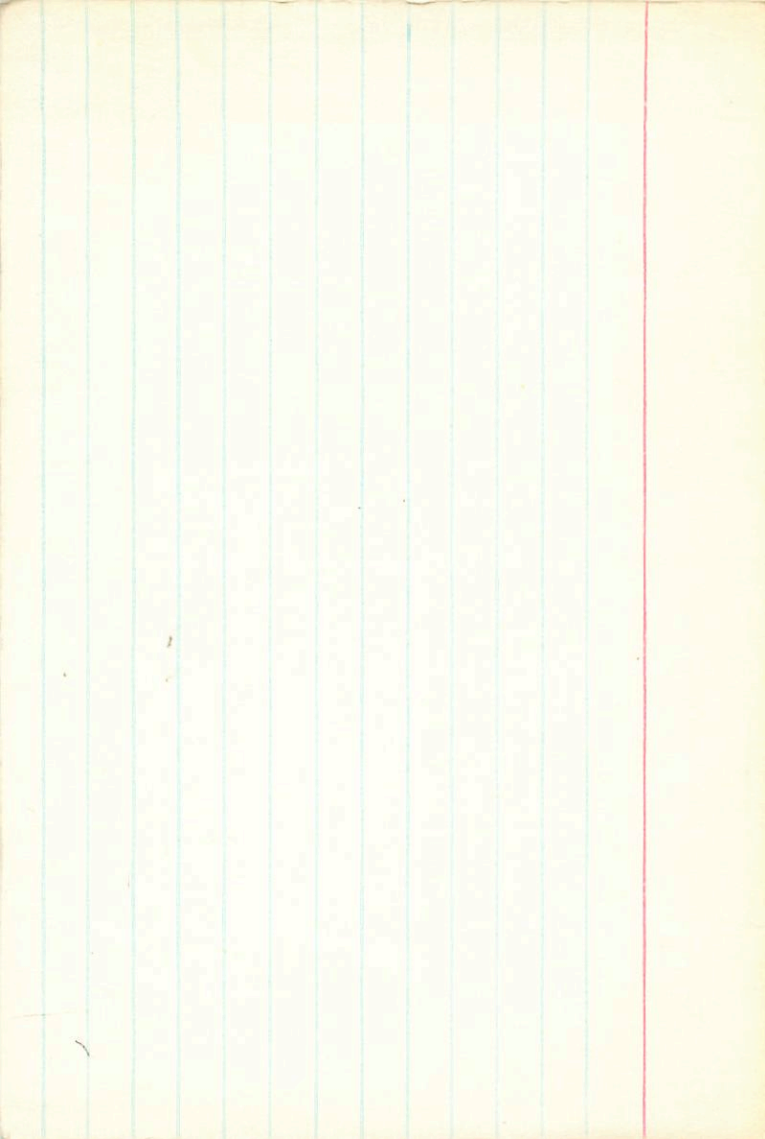
Handwritten calculations involving numbers 4.60, 80.8, 1.48, 0.51, 0.505, and a unit 'km'.

M V W
+18.5 -13.6 -2.9

+2423 -803

+10 -5 -3

51



+340 5013

R3 46.9 +35

23

Noted

9.36 + 1.145 + 1.065 (2)

8.70 + 0.42 (2)

M(I)

$\Delta(R-V) = 0.5$

$\Delta(U-V) = 0.65$

$\frac{6.23}{828}$

$\frac{0.79}{225}$

$\pi(\mu)$

~~0.79~~
0.355

+276 -086

-143

u v w

+21.1 -29.5 -10.9

+10 -7 -7

→ +23.6 -31.8 -12.9

$\frac{1}{2}$
 $\frac{1}{2}$
 $\frac{1}{2}$

young

Wey B65

11 08.5 +06 42 AdG3

+2601

m(±)

1046(n)

11.41 +0.72 -0.03 (3)

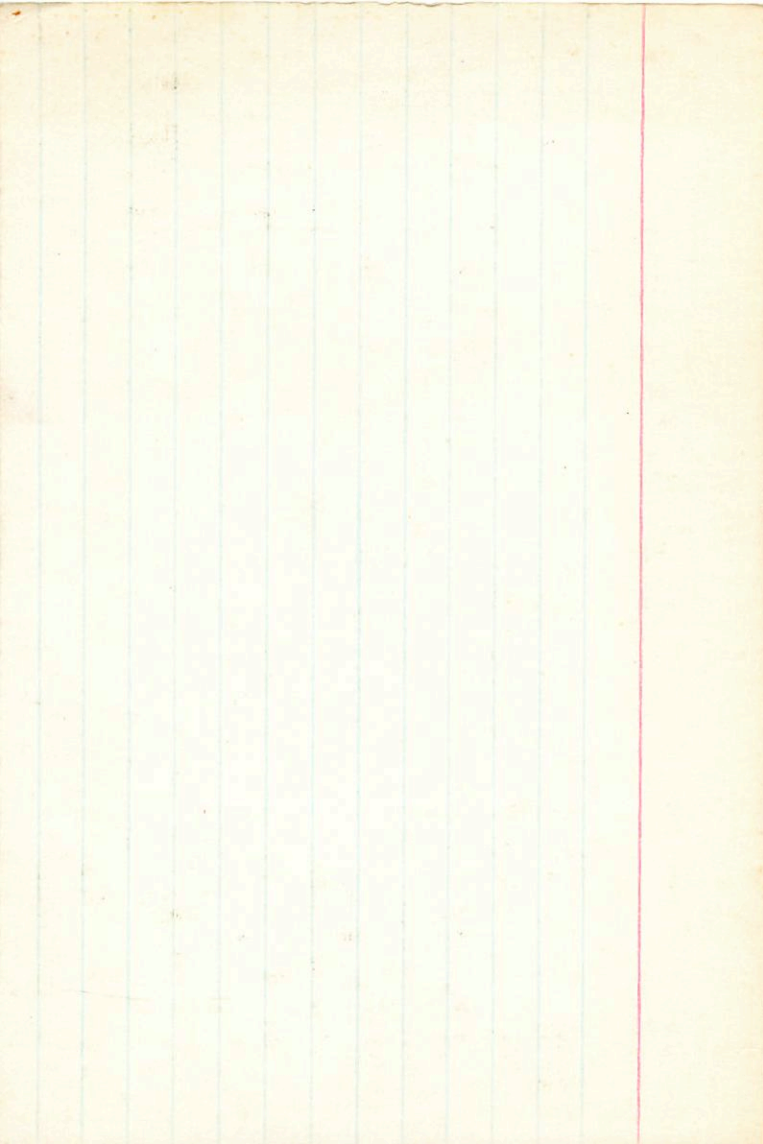
380(12)

11.05 +0.32 (4)

$\Delta(B-v) +0.19$

$\Delta(n-B) +0.665$

Halo
z



Fernstudium

99491

11 24.2 +3 17

d/100

4268

d/105

$\pi(I)$ $\pi(Nut)$

35M(6)

A 6.52 + 0.80 + 0.48 (4)

(4)

64M(10)

6.11 + 0.245 (4)

$\Delta(0-1) = 10$

47M(11)

$\Delta(10-0) = -0.215$

53

B 7.60 + 1.00 + 0.42

55

$\Delta(0-1) = 0.4$

7.03 + 0.34 (4)

$\Delta(0-1) = 10.4$

$\Delta(11-0) = 16.5$

" -0.9 - 0.721 + 1.178

" 0.50 + 67.6 - 11.2 - 15.0

0 + 34 - 6 - 7

$\pi(I)$ $\pi(Nut)$

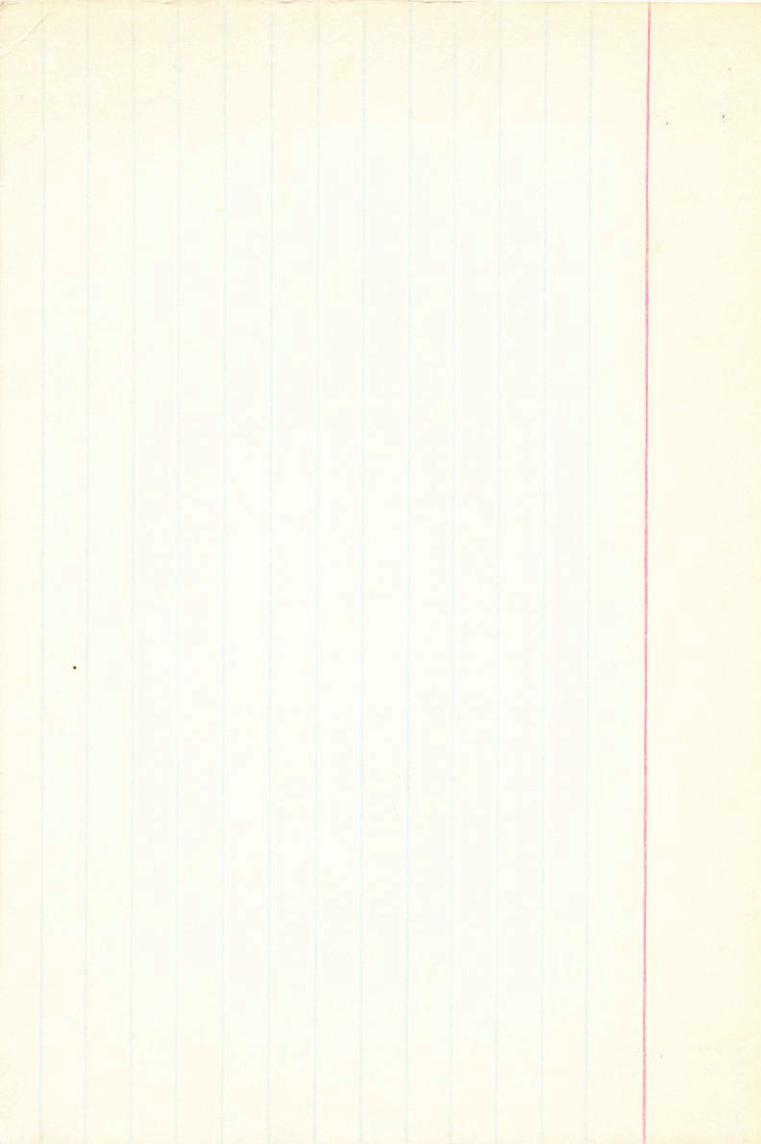
+582

6.69

127

~~0.55~~

0.51



35 m (4)
64 y (10)
+2W (4)
L 337

12 9747
132310
12-12-13
11-14-0500

468-12-14-0500
449-9-10-070

-723 +176
-723 +177

8 -723 +169
A -722 +177
#724 +176 N30

AD59162 25"
Dm=107
+302502(09)

Dm=107

-0482+12 +179+1262
-0483 +176 N30

7.46
6.39

615705(18)
69771(8)

-0.9
DMS B +1.7 W (3)
DMS A -2.9 W (4)

11

242 + 317

830
99491/(29)

157881

17 23.3 +2 12

1075

and

73955

7.69 + 1.36 + 1.25 ③

121M(7)

1074(12)

14074(13)

128 A(14)

126

M(I)
6.65
6.08
-94

D(B-v) + 01

D(v-B) + 04

152

W V W

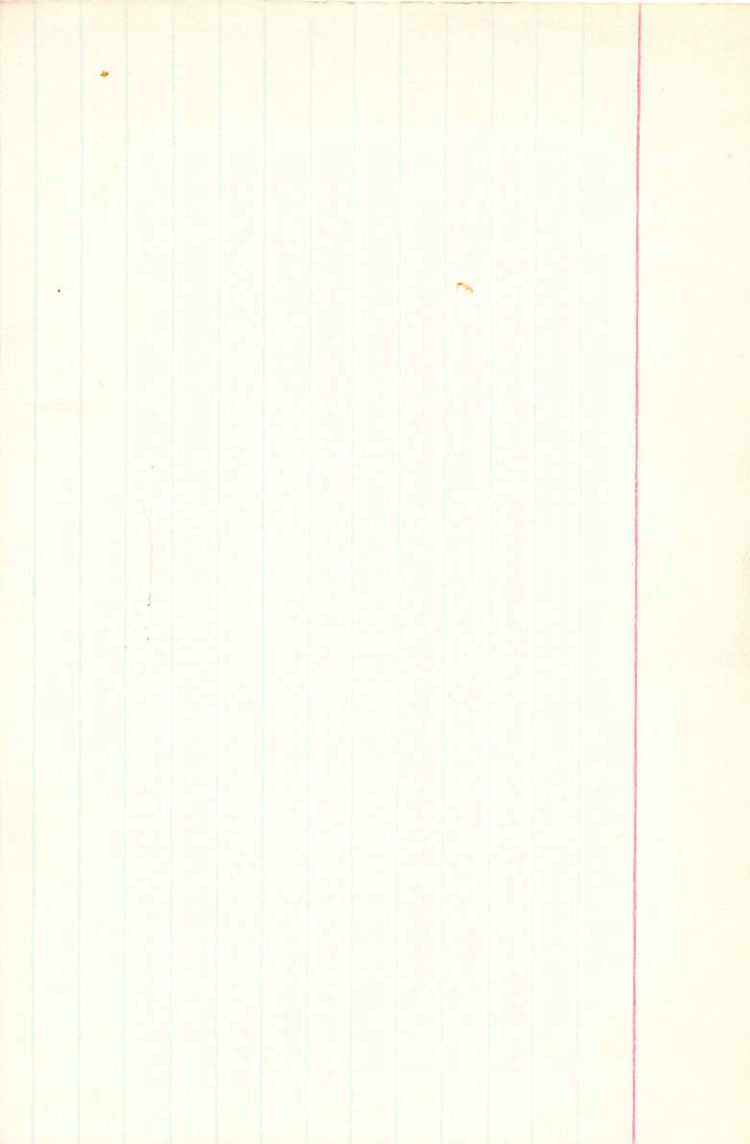
+3.5 -473 -9.7

-27 -57 -2

-1183

-249-596

-



first

159868 17 35.4 - 43 07 652

44002.1

7.22 + 0.735 + 0.24 ②

7.08 + 0.24 ④

0 C(18)

n(I)	n (nd)
+ 499	.024
<u>654</u>	
200	

~~24~~ 0.425

$\Delta(B-V) + 0.415$

$\Delta(n-s) + 0.1$

185

Redo

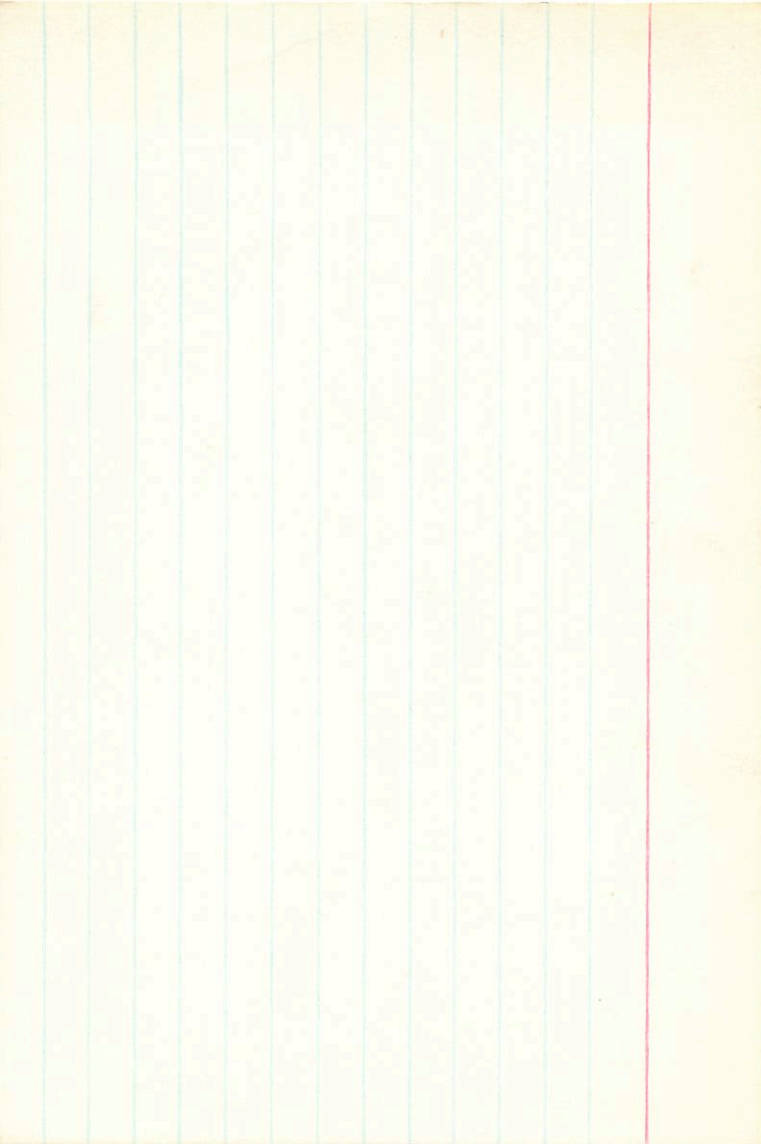
and $\Delta(B-V)$

n v w

+28.4 - 24.3 + 14.5

-23.8 - 0.219 - 0.160

+2 - 12 + 5



161848

17

45.3 + 0.4 58

1212

Y' 4063

67M(9)

20¹(12)

650(14)
40

8.92 + 0.84 + 0.47 (2)

8.50 + 0.30 (3)

$\delta(BV) + 0.05$

$\delta(n-D) + 12$

-931 - 0.558 - 0.212

+539 - 1312 + 454

-6 - 21 + 18

ced

MCI)

+5.08

~~8.23~~

345

n(1pt)

.025

~~0.235~~

0.235

n v w

old

CAD -30° 5103

17 55.7 -30 09

100 II

44094

9.34 + 0.80 + 0.315 ⊕

346.17)

9.00 + 0.305 ⊕

41(I)	H (PT)
+ 5.04	0.02
<u>8.70</u>	
3.46	0.185

$\Delta(R-U) + 0.8$

$\Delta(R-G) + 2.5$

W ✓ W

+113.4 -106.2 - 98.0

+1 -22 -22

108.7 " +0.163 -0.630

170493

18 27.3 - 1 51 dms

74254

55A(20)

467(10)

396(5)

5)

$$8.05 + 1.095 + 1.05 \textcircled{2}$$

$$7.47 + 0.385 \textcircled{4}$$

$$D(0.0-1) = -0.5.5$$

$$D(2.0-1) = -1.5$$

π (1 m)

5.72

7.09

137

Redo

$$+40.7 - 33.0 - 26.7$$

$$\text{---} 3 - 4 - 12$$

$$+179 - 212$$

333

total height
four

1134
d110

18 28.4 -18 57

170657

44256

53M(8)

8774(12)

73

$$6.80 + 0.88 + 0.51 \textcircled{2}$$

$$6.93 + 0.305 \textcircled{4}$$

$$\Delta(B-v) \textcircled{60}$$

$$\Delta(u-B) + 0.55 \quad u \quad v \quad M$$

m(1) #1pt)

$$+5.72 \\ \frac{613}{49} \cdot 0.64 \\ 183$$

$$+41.1 - 27.4 + 5.2$$

$$-3 - 11 + 1$$

$$-46.5 - 0.152 - 0.194$$

-1104672

18 307

-11 410

dmo

74266

52M(7)

464(10)

536(8)

50

10.04 +1.26 +1.21 (3)

9.26 +0.52 (3)

874

$\Delta(B-v) +02$

$\delta(m-s) +02$

M(I) 71(ut)

+6.71 039

874

-203

.039 +62.3 -71.6 +22.5

m-m=2.03 -6 -16 +8

-0.321 -0.246 -83.7

17826 19 04.6 +07 33 1N5E

all

444B
14M(7)
247(10)
367h(4)
490(4)
26

9.25 +1.06 +0.97 ②
8.64 +0.425 ③

M(I) π (pt)
16.08 10385
 $\frac{822}{214}$ 375

$\Delta(R-N) + 0.84$

$\Delta(N-B) + 0.95$

u v w

-78.2 -70.2 -8.1

-26 -30 -3

" " "
+120 -0.334 -0.771

181433 19 20.2 6.6 34 1P5 E

44520

M(I)

$$8.42 + 0.04 + 0.96 \textcircled{2}$$

5.24
774

$$8.08 + 0.325 \textcircled{3}$$

256
031

$$\Delta(D-U) - 12$$

$$\Delta(M-U) - 30$$

$$-60.7 \quad 23.4 \quad +14.5$$

+240

$$-10 \quad +6 \quad +10$$

222

+374

Year

0° 42.41 19 30.1 +00 28

M(I) # (pt)

Y 4573

10.40 +1.41 +1.24①

+722 .047

46 M(4)

9.55 +0.675②

$\frac{987}{165}$

$\Delta(B-v) -02$

Hydro

$\Delta(u-B) +02$

u v w

+41.2 ~14.0 -10.6

+5 +5 -8

259.0 + .216 +050

+38.1 -16.8 -5.7

198 427

19

52.6

+03

56 dms

Y4702

9.28 +0.98 +0.84 (2)

8.83 +0.395 (3)

m(I)

+5.61

⁹⁴⁴/₁₆₃

2.63

π (wt)

~~.0315~~

abc

$\Delta(10-v) +075$

$\Delta(11-B) +095$

2 ✓

w

+50.0

-0.280 -0.244

-747

-1.2

+7.8

-12

-11

+6.1

year

189484 19 58.8 -50 11 125B

74734.3

8.72 +1.115 +1.07 (2)

8.06 +0.42 (2)

436(18)

$\delta(B-v) - 0.2$

$\delta(u-B) - 0.9$

only included

975 +1.15 +96 (1)

163 +0.354 -0.391

$\pi(I)$	$\pi(II)$
+6.26	0.82
<u>764</u>	<u>535</u>
136	

$u \quad v \quad w$

+8.2 -30.6 -40.3

+13 -14 -16

190007

20

00.3 +0.3

11

dry

40007

44246

by m(10)

242 +1.10 +1.66 ①

686 +0.415 ③

$\Delta(B-v) - 0.25$

$\Delta(u-b) - 0.7$

m(I) m(II) m(III)
+6.20
6.44
7.86
0.82
0.92

n v u

+22.6 -15.4 +15.4

+1 +3 +6

-313 -0.093 +0.116

-20° 5833

4781.3

5-4M(10)

717'(10)

456(6)

20 07.5 -20 37

8.45 + 1.24 + 1.205 (2)

8.121 + 0.55 (3)

$\Delta(13-11) + 0.5$

$\Delta(22-13) + 0.7.5$

-37.3 - 22.1 + 8.8

-14 - 19 + 11

-0.435 + 0.356

6.80

7.64

$\frac{7.64}{8.9}$

π

0.67

M0

Old

197192

20 41.5 -66 21 1000-0

$9.38 + 0.90 + 0.475 \text{ (2) } m(I) \pi(m)$
 $8.95 + 0.40 \text{ (3)}$

$0(R-v) + 165$
 $\Delta(n-B) + 475$

180
 8.5
 2.5
 0.29

+32.8 -0.176 +0.114

6hr u v w

-960 +0.2 -1.2

-7 +4 +5

AP.

204587

21

27.3

-12

44

$\mu \bar{I}$

out

4' 5174

35M(1)

69Y(12)

556(17)

56

9.11 +10~~6~~⁵ +125 ③

8.35 +0.58 ④

+0.15
+0.25

0 (10-1)

0 (14-0) +0.4.5

n(I)

6.08

7.7
5.8

π (out)

067

068

+95.1 -62.2 -1.7

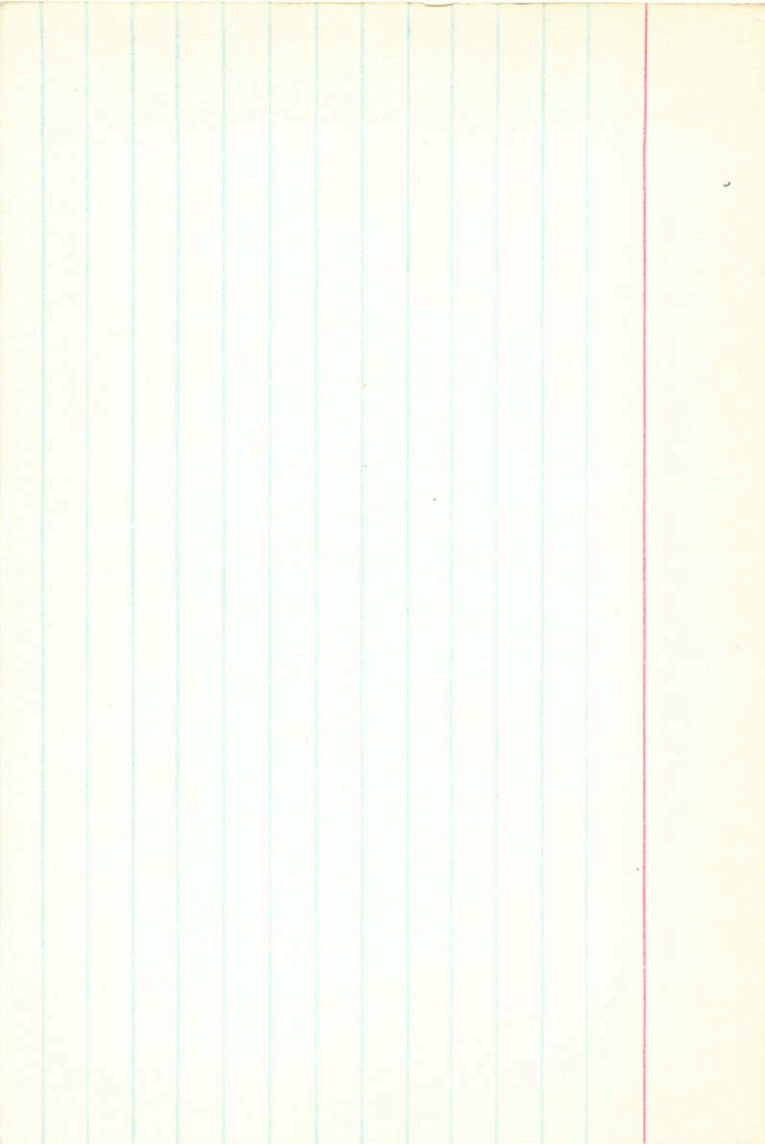
+31 -13 -37

0.249

1.015

Alp

+75.2 -53.0 +24.2
+31 -13 -37



205390

21 338 -51 04 102 V

Young

45198

7.14 +0.88 +0.53 (2)

4(2)

π (wt)

~~15.80~~

.067

~~640~~

~~0.07~~

800

~~140~~

070

070

597(110)

800(18)

69

$\Delta(BV) \overset{-01}{\cancel{1}}$

$\Delta(m-D) + 01$

u v w

+4.7 -21.3 -38.4

+16 -11 -12

+28.1 +0.426 -0.206

cep

205855 21 35.6 -2 31 100

$8.62 + 0.955^{53} \textcircled{2}$ 11(7) 7/107
 $8.16 + 0.305 \textcircled{3}$ + 1.04
 $\Delta(0-v) + 0.275$ 285 1429
 $\Delta(v-0) + 0.5$ 267 627.5
~~281~~

Y5211

28m(7)

217(6)

567(6)

33c(6)

31

Y V W

+80.6 -24.9 +25.8

" " " -0.463 -0.276

-22 -9 +9

Old

206094

21 37.8 -43 33

112 E

-15223

34615

9.72 + 0.87 + 0.5 ③

9.44 + 0.265 ④

9.22
2.87
+5.35

$\Delta(B-V) = -0.6$

$\Delta(u-B) = -1.7$

11(I)

4.33
9.18
2.5

4.59
 π 11.2
4.85

0.12

NuX
W 1130
W 0265
W 0287

~~18.9~~
+1
-33.0 -28.4
-9 -1

NuX
W 1130

~~NuX
W 1130~~

-13.6 -82.0 -81.9

042-177

23523

63.2
379.3
45

old

206804

21 43.0 -57 55 107 Σ $\Delta m = 00$

75243

457(12)

486(6)

46

8.90 + 1.32 + 1.15 (3)

8.01 + 0.59 (4)

743

75

818

 $D(B-4) + 04$ $D(m-B) + 135$

m(I)

+6.92

8.18

12.6

 $\pi(14)$ ~~0.57~~

656

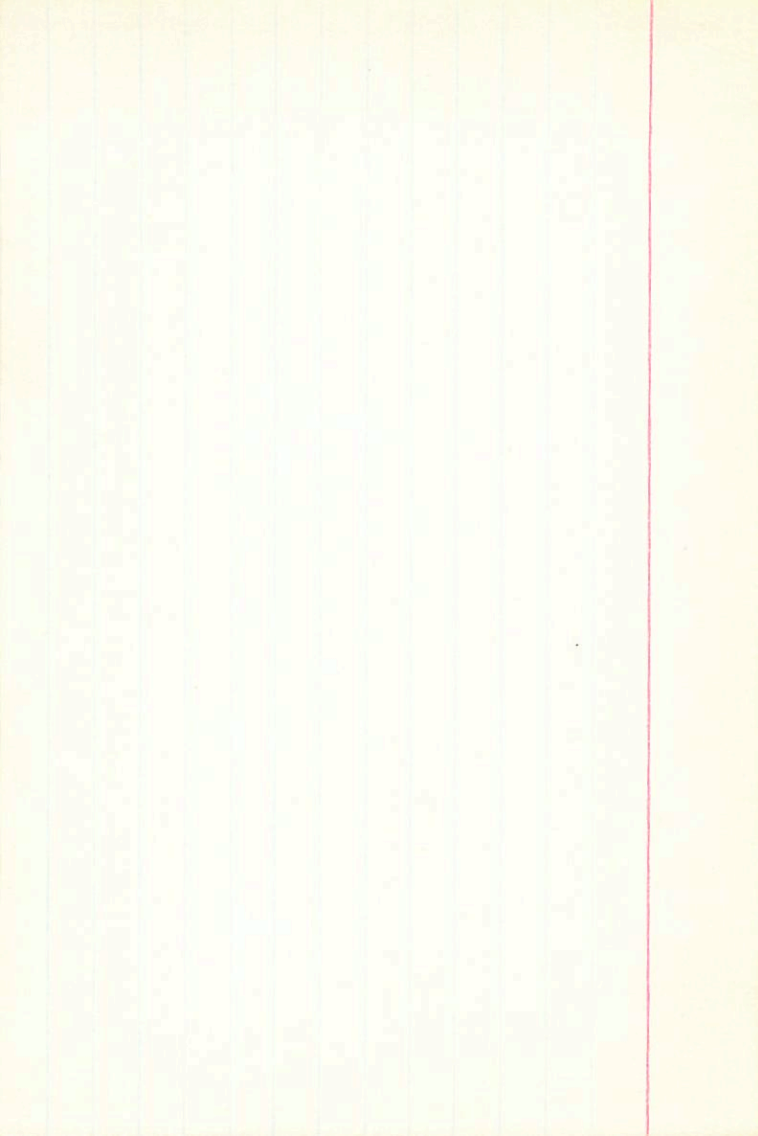
 $\eta \quad \nu \quad w$

+17.5 -72.0 +2.9

+7 -42 +10

-7.0

+0.55 -0.915



004

267144 21 44.9 -40 29 1232

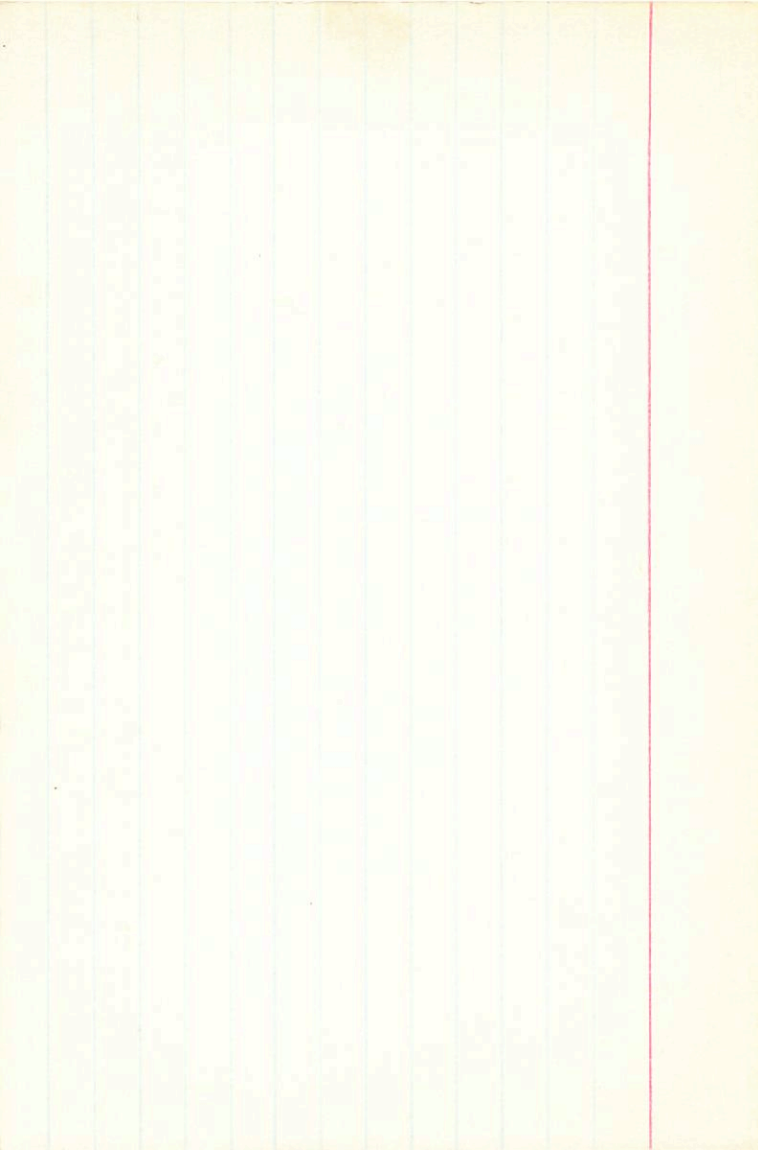
45261
337(12)
4466
38

$\pi(12)$
1540
781
249

8.65 + 0.545 + 0.705 (4)
8.16 + 0.35 (2)
 $\Delta(10-v) + 0.25$
 $\Delta(10-v) + 0.65$

u v w
+10.6 -45.9 -1.0
+2 -17 -2

-6.8 -0.105 -0.348



20749
~~13708~~

45271

36M(8)

43 7(10)

66D(14)

411

yearly
21 46.7 +0.5 29 div6

71(WT)
MCI
+6.2
76.5

~~14.5~~
14.5

8.74 +101 +0.855(2)

806 +0.40(2)

Δ(13-V) +0.45

Δ(71-B) +0.95

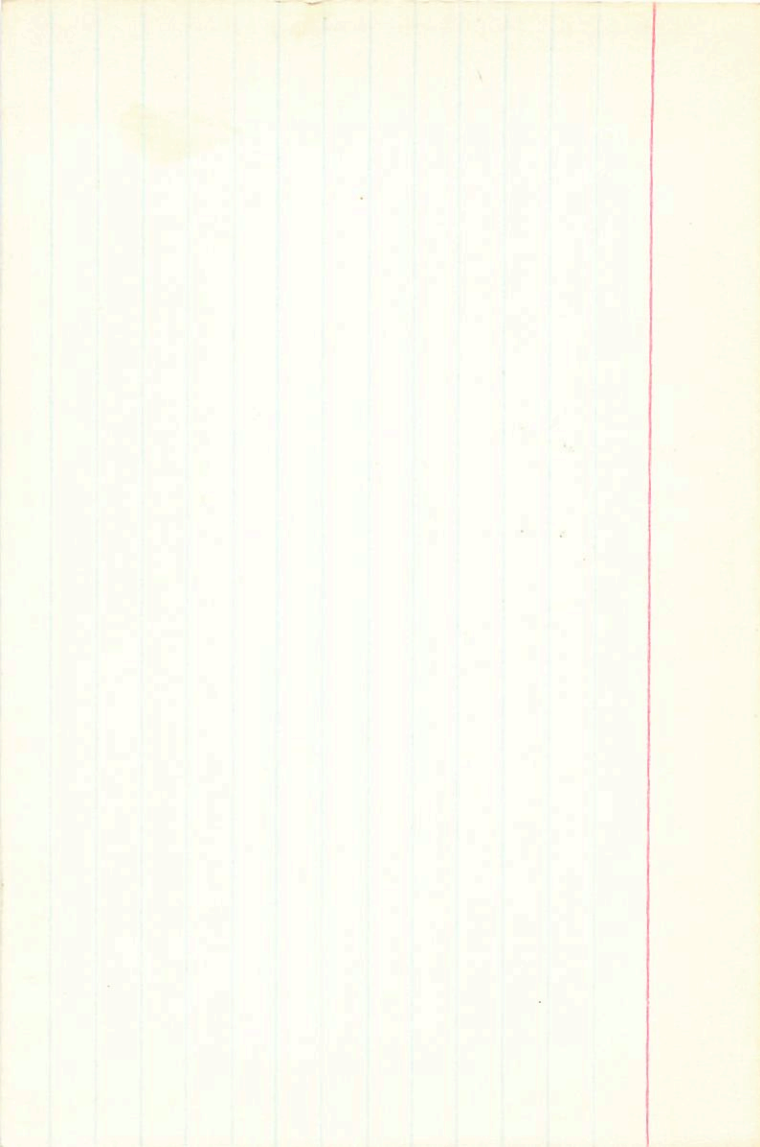
Styber
Do V.
G 23-11

+453 -14.3 -29.4

+41.8 -13.8 -26.3

+14 -3 -17

102
+537-010



209100

75314

284116)

285617)

285

1258

21 54.6 - 57.00

4.68 + 0.06 + 0.98 Sta

4.18 + 0.405 Sta

~~378
227~~

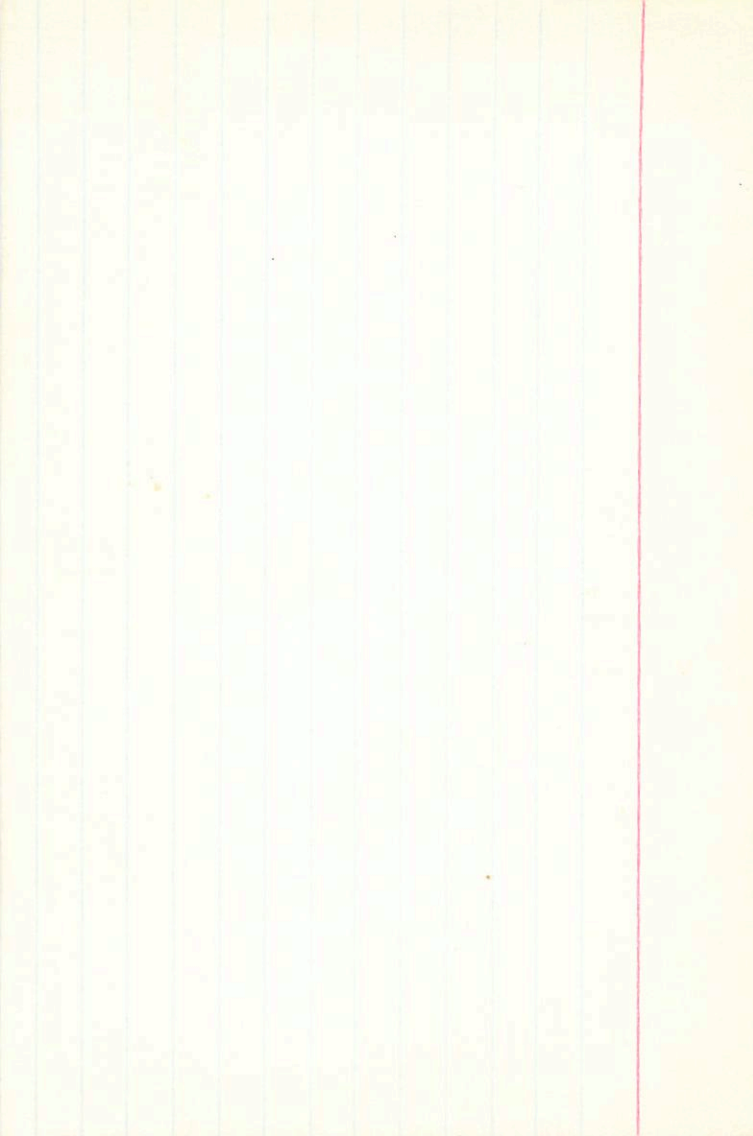
~~605~~ $\Delta(18-v)$ $\frac{706}{10005}$

~~605~~ $\Delta(21-0)$ $\frac{-015}{10003}$

M(I) + 6.05

+ 29.0 - 39.0 + 3.4

+ 154 - 142 - 76



check

212035 22 19.4 -51 03 100 B

	$n(I)$	$n(II)$	$n(III)$
		+5.24	1032
		<u>743</u>	
		269	029

4.5
 8.76 + 0.82 + 0.425 (3)

216 (8)
 8.26 + 0.33 2

$\Delta(B-v) + 11$
 $\Delta(U-Q) + 26$

u	v	w
+12.7	-150.3	+25.0
+4	-50	+4

"
 " 0.4 + 0.186 - 1.050

213415 22 29.3 -59 02 K17-0

Y5445

⁴³⁵
9.72 + 0.725 + 0.145 (3)

9.47 + 0.28 (2)

156(7)

M(I) 7/pt
44.90
~~97.5~~
0125

B(B-V) + 0.85 49

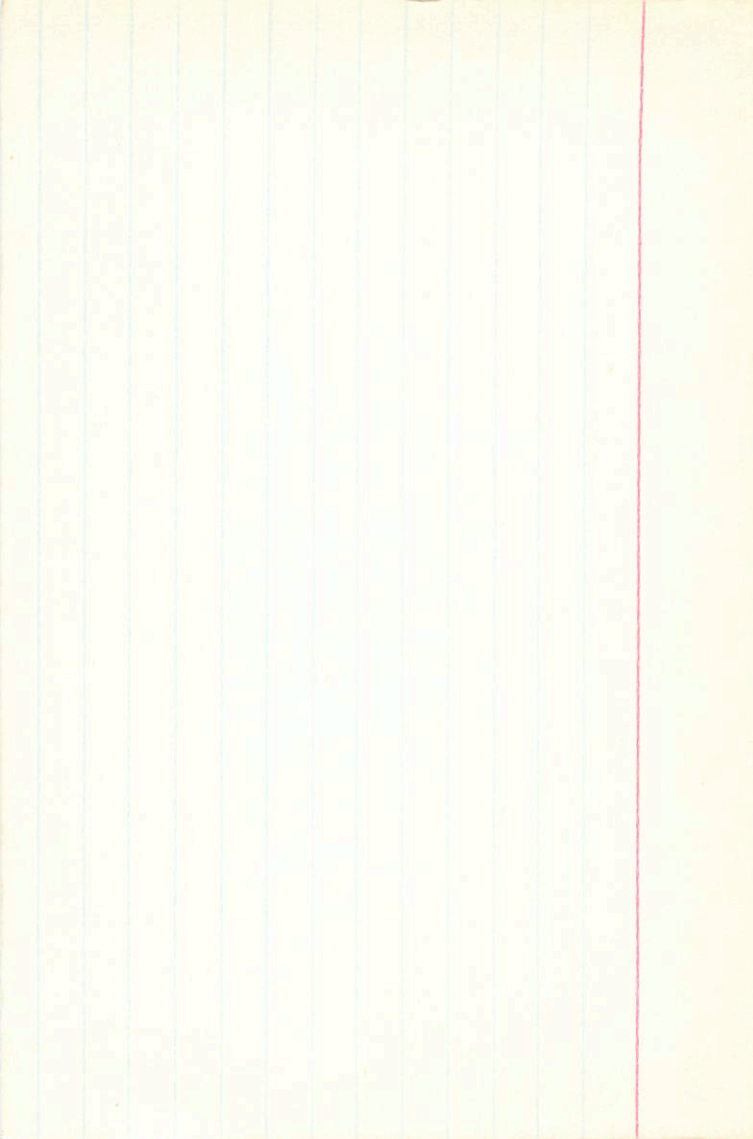
B(V-I) + 2.9

M V W

+39.9 -131.3 -18.1

+33.2 +0.212 -0.334

+8 -17 +1



your

214749 22 379 -29 56 105 II

45486 H+11 em

650(8) 7.84 +114 +1.07 ② n(I) # (nA)

7.18 +0.44 ~~4~~ ②
+6.36 1.082
6.74 0.84
38

$D(B-V) - 0.25$

$D(n-v) + 0.45$

M V W

+18.2 -7.2 -11.9

+15 -6 -9

+1395 -0.25

1.0

