

Simple eye piece calculator for astronomical telescope systems.

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1  ♦LBL "EPCALC" Key: 25      ;      63  PROMPT
   Eye Piece Calculator      64  GTO 15 ; LBL : <- 117
2  SF 27                      65  ♦LBL E
3  CLRG                      66  FC?C 22
4  ♦LBL 15                   67  GTO 00 ; LBL : 1 ->
5  "FV,VA,EFL,TFL,T"        (=<=112B)
6  >"A"                      68  STO 05
7  PROMPT                   69  ♦LBL 00
8  GTO 15 ; LBL : <- 23      70  "TA="
9  ♦LBL A                    71  ARCL 05
10 FS?C 22                  72  AVIEW
11 GTO 00 ; LBL : 5 ->      73  PSE
   (<=112B)                 74  RCL 04
12 RCL 02                   75  RCL 05
13 RCL 04                   76  /
14 RCL 03                   77  "F.NO="
15 /                        78  ARCL X
16 /                        79  AVIEW
17 ♦LBL 00                   80  PSE
18 STO 01                   81  RCL 04
19 "FV="                    82  RCL 03
20 ARCL 01                   83  /
21 PROMPT                   84  "MAG="
22 GTO 15 ; LBL : <- 46      85  ARCL X
23 ♦LBL B                    86  AVIEW
24 FS?C 22                  87  PSE
25 GTO 00 ; LBL : 5 ->      88  4.56
   (<=112B)                 89  RCL 05
26 RCL 01                   90  25.4
27 RCL 04                   91  /
28 RCL 03                   92  /
29 /                        93  "DAWES.L="
30 *                        94  ARCL X
31 ♦LBL 00                   95  AVIEW
32 STO 02                   96  PSE
33 "VA="                    97  GTO 15 ; LBL : <- 185
34 ARCL 02                  98  END
35 PROMPT
36 GTO 15 ; LBL : <- 69
37 ♦LBL C
38 FS?C 22
39 GTO 00 ; LBL : 5 ->
   (<=112B)
40 RCL 04
41 RCL 01
42 *
43 RCL 02
44 /
45 ♦LBL 00
46 STO 03
47 "EFL="
48 ARCL 03
49 PROMPT
50 GTO 15 ; LBL : <- 93
51 ♦LBL D
52 FS?C 22
53 GTO 00 ; LBL : 5 ->
   (<=112B)
54 RCL 02
55 RCL 03
56 *
57 RCL 01
58 /
59 ♦LBL 00
60 STO 04
61 "TFL="
62 ARCL 04

```