```
         CAR3 = (2./9.)*B*HC*RA*RA*RA
         A21 = ((SIDER-SIDEL)/CAR3+4.*A1)/3.
44       A22 = ABS(A21)
         IF(A22+A21)1,46,45
46       A23 = ABS(A2)
         IF(A23+A2)1,61,62
61       A24 = ABS(A21-A2)
63       IF(A24/ABS(A2)-0.01)60,60,65
65       A34(L) = A24
         IF(L-2)64,64,66
66       IF(A34(L)-A34(L-2))64,9,9
64       IF(M-10)40,40,49
40       A2 = 0.5*(A2+A21)
         PRINT, A2, A21
         L = L+1
         GO TO 11
49       IF(MAN-20)86,86,87
86       A2 = 0.25*(3.*A2+A21)
         PRINT, A2, A21
         L = L+1
         GO TO 11
87       A2 = 0.1*(9.*A2+A21)
         PRINT, A2, A21
         L = L+1
         GO TO 11
62       A24 = ABS(A21+A2)
         GO TO 63
45       A23 = ABS(A2)
         IF(A23+A2)1,62,61
60       RSCO1 = (STRO/(3.*ZEKE))*(2.*A1-3.*A2)
         NAN = NAN+1
         C = 0.
         DO 83 I=1,5
         ARU(I) = 2.*ALPHT*RT*RT*C*C+BETT
         IF(ARU(I))81,81,82
81       SIM(I) = 0.
         GO TO 83
82       SIM(I) = LOG(ARU(I))
83       C = C+0.25
         RST1 = SIM(1)+4.*SIM(2)+2.*SIM(3)+4.*SIM(4)+SIM(5)
         RST2 = RT*SIM(5)
```

FIG. 21   (CONTINUED)