```
15      IF(RT-RC)91,91,9
 9      IF(NAN-1)1,96,93
91      HT = HC
39      HT3 = -2.*A2*HT*HT
        HT4 = 4.*A1*RT*RT+2.*A3
        HT1 = HO+(HT3-HT4)*HT
        HT2 = ABS(HT1-HT)
        IF(HT2-0.001)16,16,47
47      HT = 0.25*(3.*HT+HT1)
        GO TO 39
16      ZEKE = SQRT(ALPHT)
        BILL = SQRT(GAMT)
        COEF1 = (F*STRO/(3.*ZEKE))*(2.*A1-3.*A2)
        GRE1 = 2.*ALPHT*RT*RT+BETT
        IF(GRE1)31,31,33
31      COMP1 = 0.
        COMP3 = 0.
        GO TO 37
33      COMP1 = (GRE1/(4.*ALPHT))*(LOG(GRE1)-1.)
        COMP3 = 0.5*RT*RT*LOG(GRE1)
37      IF(BETT)32,32,36
32      COMP2 = 0.
        GO TO 38
36      COMP2 = (BETT/(4.*ALPHT))*(LOG(BETT)-1.)
38      RIGH1 = COEF1*(COMP1-COMP2-COMP3)
        COEF2 = 2.*F*STRO/3.
        EPSIT = SQRT(ALPHT*RT*RT*RT*RT+BETT*RT*RT+GAMT)
17      COMP4 = (7.*A1*EPSIT)/(2.*ALPHT)
        BALL1 = (BETT/(2.*ZEKE))+ZEKE*RT*RT+EPSIT
        IF(BALL1)6,6,7
 6      GRE2 = 0.
        GO TO 8
 7      GRE2 = LOG(BALL1)
 8      COMP5 = (7.*A1*BETT/(4.*ALPHT**1.5))*GRE2
        COMP6 = (7.*A1*BILL)/(2.*ALPHT)
        BALL2 = (BETT/(2.*ZEKE))+BILL
        IF(BALL2)19,19,21
19      GRE3 = 0.
        GO TO 25
21      GRE3 = LOG(BALL2)
25      GRE4 = BETT/(4.*ALPHT**1.5)
```

FIG. 21 (CONTINUED)