

```

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 = H0+(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)