```
        GO TO 2
89      GUN10 = LOG(GUN9)
 2      GUN11 = -RIT/ZEKE+BOY24*GUN10
        GUN12 = (2./3.)*STRO*((HC+HT)/2.)*(3.*A2-4.*A1)
        GIRL4 = GUN12*(GUN7+GUN11)
        SIDEL = GIRL1+GIRL2+GIRL3+GIRL4
80      COEF1 = (F*STRO/(3.*ZEKE))*(2.*A1-3.*A2)
        RIT1 = 2.*ALPHT*RT*RT+BETT
        IF(RIT1)34,34,32
32      A32 = LOG(RIT1)
        RIT2 = (RIT1/(4.*ALPHT))*(A32-1.)
        GO TO 40
34      RIT2 = 0.
        A32 = 0.
40      RIT3 = 2.*ALPHT*RIT*RIT+BETT
        IF(RIT3)65,65,64
64      A35 = LOG(RIT3)
        RIT4 = (RIT3/(4.*ALPHT))*(A35-1.)
        GO TO 68
65      RIT4 = 0.
        A35 = 0.
68      A31 = 0.5*(RT*RT-RIT*RIT)*A32
        BOY1 = COEF1*(RIT2-RIT4-A31)
        COEF1 = 2.*STRO*F/3.
        BOY21 = 7.*A1*EPST/(2.*ALPHT)
        HT2 = (28.*A1*BETT/BUG7)*BUG8
        HT3 = BETT/(2.*ZEKE)+ZEKE*RT*RT+EPST
        IF(HT3)70,70,69
69      HT4 = LOG(HT3)
        GO TO 74
70      HT4 = 0.
74      BOY22 = HT2*HT4
        EPSIT = SQRT(ALPHT*RIT*RIT*RIT*RIT+BETT*RIT*RIT+GAMT)
        BOY23 = (7.*A1/(2.*ALPHT))*EPSIT
        A33 = BETT/(2.*ZEKE)+ZEKE*RIT*RIT+EPSIT
        IF(A33)77,77,76
76      BOY24 = LOG(A33)
        GO TO 78
77      BOY24 = 0.
78      BOY29 = HT2*BOY24
        COEF2 = 9.*A2*((HC+HT)/2.)*((HC+HT)/2.)+3.*A3
```

FIG. 27   (CONTINUED)