```
         IF(RIT2-0.001)50,50,48
48       RIM = 0.25*(3.*RIM+RIT1)
         GO TO 45
50       CAV1 = RIT*RIT+RIC*RIC+4.*RIM*RIM
         CAV2 = (AK1+AK2*PIC+AK3*PIC*PIC)*VO1
         CAV3 = (C1+C2*PIC+C3*PIC*PIC)*VO2
         PI1 = -((3.14159*HC/3.)*CAV1-VO)/(CAV2+CAV3)
         ERR = (ABS(PI1-PIC))/PI1
         IF(ABS(ERR)-0.01)52,52,51
51       PIC = 0.25*(3.*PIC+PI1)
         GO TO 50
52       ZEKE = SQRT(ALPHT)
         BILL = SQRT(GAMT)
         ALPHC = ALPHT
         BETC = 16.*A1*A3
         GAMC = 4.*A3*A3
         RIT1 = 2.*ALPHC*RIC*RIC+BETC
         EPSIC = SQRT(ALPHC*RIC*RIC*RIC*RIC+BETC*RIC*RIC+GAMC)
         EPSC = SQRT(ALPHC*RC*RC*RC*RC+BETC*RC*RC+GAMC)
         ZEKEC = SQRT(ALPHC)
         RIT2 = 2.*ALPHC*RC*RC+BETC
         BOY21 = STRO*(2.*A1-3.*A2)/(3.*ZEKEC)
         BOY22 = (RIT1+2.*ZEKEC*EPSIC)/(RIT2+2.*ZEKEC*EPSC)
         IF(BOY22)53,53,54
53       BOY23 = 0.
         GO TO 55
54       BOY23 = BOY21*LOG(BOY22)
55       BOY24 = B*(RIC*RIC-RC*RC)/3.
         BOY25 = (PIC+BOY23-PC)/BOY24
         A21 = (BOY25+2.*A1)/3.
         A22 = ABS(A21)
         IF(A22+A21)1,56,67
56       A23 = ABS(A2)
         IF(A23+A2)1,57,66
57       A24 = ABS(A21-A2)
58       R = RIT-RT/10.
         IF(A24/ABS(A2)-0.01)71,71,59
59       A34(L) = A24
         IF(L-2)61,61,60
60       IF(A34(L)-A34(L-2))95,33,33
33       IF(NAN-1)1,96,93
```

FIG. 27   (CONTINUED)