```
  1  0000001          SUBROUTINE WALVAL(PW,IS,IT,JS,JT,KS,KT,F)                                1876
  2  0000041          DIMENSION F(21,18,10)                                                    1877
  3  0000341          COMMON                                                                   1878
  4                  1/TUR/ SIGK,SIGE,CMU,C1,C2,CMU1,CMU2,E,CK,HINUM,SMNUM,ANV1(800),         1879
  5                  2 YN(800),YN1(800),SINX(800),SINY(800),SINZ(800),ANW1(800),              1880
  6                  3 YPLN(800),TAUN(800),I3C(800),J3C(800),K3C(800),IITY(800),              1881
  7                  4 TAUW(800),GEN(21,18,10),MC(21,18,10),IJLO(21,18,10),IITO               1882
  8            C-----ASSIGN WALL VALUES                                                       1883
  9  0000341          DO 10 J=JS,JT                                                            1884        1
 10  0000281          DO 10 K=KS,KT                                                            1885        2
 11  0000401          F(IS-1,J,K)=PW*F(IS,J,K)                                                 1886        3
 12  0000A21     10   F(IT+1,J,K)=PW*F(IT,J,K)                                                 1887        4
 13  0001341          DO 20 I=IS-1,IT+1                                                        1888        5
 14  0001521          DO 20 K=KS,KT                                                            1889        6
 15  00016A1          F(I,JS-1,K)=PW*F(I,JS,K)                                                 1890        7
 16  0001CC1     20   F(I,JT+1,K)=PW*F(I,JT,K)                                                 1891        8
 17  00025E1          DO 30 I=IS-1,IT+1                                                        1892        9
 18  0002701          DO 30 J=JS-1,JT+1                                                        1893       10
 19  00029A1          F(I,J,KS-1)=PW*F(I,J,KS)                                                 1894       11
 20  0002FA1     30   F(I,J,KT+1)=PW*F(I,J,KT)                                                 1895       12
 21  00038A1          DO 40 III=1,IITO                                                         1896       13
 22  00039E1          I=I3C(III)                                                               1897       14
 23  0003B21          J=J3C(III)                                                               1898       15
 24  0003C61          K=K3C(III)                                                               1899       16
 25  0003DA1          GO TO (1,2,3,4,5,6), IITY(III)                                           1900       17
 26  0004161     1    F(I,J+1,K)=PW*F(I,J,K)                                                   1901       18
 27  0004781          GO TO 40                                                                 1902       19
 28  0004781     2    F(I,J-1,K)=PW*F(I,J,K)                                                   1903       20
 29  0004E01          GO TO 40                                                                 1904       21
 30  0004E61     3    F(I+1,J,K)=PW*F(I,J,K)                                                   1905       22
 31  0005481          GO TO 40                                                                 1906       23
 32  0005461     4    F(I-1,J,K)=PW*F(I,J,K)                                                   1907       24
 33  0005801          GO TO 40                                                                 1908       25
 34  0005861     5    F(I,J,K+1)=PW*F(I,J,K)                                                   1909       26
 35  0006161          GO TO 40                                                                 1910       27
 36  00061C1     6    F(I,J,K-1)=PW*F(I,J,K)                                                   1911       28
 37  00067C1     40   CONTINUE                                                                 1912       29
 38  0006941          RETURN                                                                   1913       30
 39  00069A1          END                                                                      1914       31

NO  ERRORS:F7D  R05-01.0C  SUBROUTINE  WALVAL    02/21/86  10:02:24  TABLE SPACE:   3 KB
STATEMENT BUFFER:   20 LINES/1321 BYTES    STACK SPACE: 154 WORDS
SINGLE PRECISION FLOATING PT SUPPORT REQUIRED FOR EXECUTION
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