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C C
C DAVIS, R. TRIAL AND ERROR SOLUTION FOR COEFFICIENTS
C WAFER WITH HOLE ALONG AXIS
  DIMENSION A34(4)
1  READ, RO, RIO, HO, STRO, B
  READ, UNU, G
  READ, DIF1, RING, F
  READ, VO, VO1, VO2
  READ, C1, C2, C3
  READ, AK1, AK2, AK3
  F1 = 1.
5  F1 = F1+2.*DIF1
  CUP = 0.03
  NAN = 1
  SAM = 0.
  RIM = RIO
  RIT = RIO
  RIC = RIO
  X = 0.
  Y = 0.
  RC = F1*RO
  DELTA = (HO*(1.-1./(F1*F1)))*2.
  HC = HO-DELTA/2.
  PRINT, DELTA
  HT = HC
10 A2 = -0.010
  L = 1
  M = 0
  MAN = 0
  HC1 = 2.*HO-DELTA
11 A3 = DELTA/(2.*HC1)-(A2*(HC1*HC1))/4.
  M = M+1
  MAN = MAN+1
12 A1 = ((RC-RO)/(RC*RC*RC))-(A3/(RC*RC))
15 RIT3 = A1*RIT*RIT
  RIT4 = 3.*A2*HC*HC+A3
  RIT1 = RIO-(RIT3+RIT4)*RIT
  RIT2 = ABS(RIT1-RIT)
  IF(RIT2-0.001)20,20,17
17 RIT = 0.25*(3.*RIT+RIT1)
  GO TO 15

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FIG. 27 COMPUTER PROGRAM FOR DETERMINING UNKNOWN DISPLACEMENT COEFFICIENTS. HOLLOW WAFER