

Table 10 Portion of the **equivellipse.CHA** file generated automatically by "GENTEXT" that corresponds to the GENOPT user's input listed in Table 3. This list forms part of the complete equivellipse.CHA file that appears in Table a7 of the appendix. The complete equivellipse.CHA file exists when the GENOPT user has completed the interactive "GENTEXT" session. This FORTRAN fragment forms part the FORTRAN library, change.new, in particular, part of SUBROUTINE NEWPAR.

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      IF (Ixinput .EQ.0) GO TO 21
      DO 20 I=1,Ixinput
      xinput(I) = PAR ( IPAR )
      IPAR = IPAR + 1
20 CONTINUE
21 CONTINUE
      ainput = PAR ( IPAR )
      IPAR = IPAR + 1
      binput = PAR ( IPAR )
      IPAR = IPAR + 1
      xlimit = PAR ( IPAR )
      IPAR = IPAR + 1
      IF (Ixinput .EQ.0) GO TO 46
      DO 45 I=1,Ixinput
      THKSKN(I) = VAR ( IVAR )
      IVAR = IVAR + 1
45 CONTINUE
46 CONTINUE
      IF (Ixinput .EQ.0) GO TO 51
      DO 50 I=1,Ixinput
      HIGHST(I) = VAR ( IVAR )
      IVAR = IVAR + 1
50 CONTINUE
51 CONTINUE
      SPACNG = VAR ( IVAR )
      IVAR = IVAR + 1
      THSTIF = VAR ( IVAR )
      IVAR = IVAR + 1
      THKCYL = PAR ( IPAR )
      IPAR = IPAR + 1
      RADCYL = PAR ( IPAR )
      IPAR = IPAR + 1
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```