```
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; published under GNU GPL
;
; script for the verification of a trimming procedure

simulator( 'spectre )

analysis('ac
  ?freq "1k"
  ?dev "/V1"
  ?param "dc"
  ?start "25m"
  ?stop "1.1"
  ?lin "1"
)
analysis('dc
  ?saveOppoint t
  ?dev "/V1"
  ?param "dc"
  ?start "25m"
  ?stop "1.1"
  ?lin "1"
)

fid = outfile( "./oceanScript.out" "a")

for( i 1 100

  ; -------------------------------------------------------------
  ; run at nominal operating conditions before trimming
  ; trimming variable at initial (default) value
  ; do a single MC simulation at iteration i
  ; -------------------------------------------------------------
  printf( "------------- initial run iteration %d -----------------\n" i )
  desVar( "voffset" 0 )
  temp( 27 )
  monteCarlo(
    ?numIters "1"
    ?startIter i
    ?analysisVariation 'processAndMismatch
    ?sweptParam "None"
    ?saveData t
    ?nomRun "yes"
    ?append nil
  )
  monteRun()

  ; get measurements and write to file
  ; get value form i'th MC-iteration and from some point in the sweep
  val0   = value(value(VS("/vout") 0.025) i )
  fprintf( fid "%d \n" i val0 )

  ; -------------------------------------------------------------
  ; nominal run after trimming
  ; compute trimming value from last run's measurements
  ; the offset should be close to zero as it now is ideally trimmed
  ; -------------------------------------------------------------
  printf( "------------- trimming run iteration %d -----------------\n" i )
  desVar( "voffset" -val0 )
```

```
  temp( 27 )
  monteCarlo( ?numIters "1"
    ?startIter i
    ?analysisVariation 'processAndMismatch
    ?sweptParam "None"
    ?saveData t
    ?nomRun "no"
    ?append nil
  )
  monteRun()

  val1   = value(value(VS("/vout") 0.025) i )
  fprintf( ... )

  ; -------------------------------------------------------------
  ; run after trimming at hot temperature
  ; -------------------------------------------------------------
  printf( "------------- verification run iteration %d ---------------\n" i )
  temp( 85 )
  monteCarlo( ?numIters "1"
    ?startIter i
    ?analysisVariation 'processAndMismatch
    ?sweptParam "None"
    ?saveData nil
    ?nomRun "no"
    ?append nil
  )
  monteRun()

  val2   = value(value(VS("/vout") 0.025) i )
  fprintf( ... )

  ; -------------------------------------------------------------
  ; run after trimming at cold temperature
  ; -------------------------------------------------------------
  printf( "------------- verification run iteration %d ---------------\n" i )
  temp( -25 )
  monteCarlo( ?numIters "1"
    ?startIter i
    ?analysisVariation 'processAndMismatch
    ?sweptParam "None"
    ?saveData nil
    ?nomRun "no"
    ?append nil
  )
  monteRun()

  val3   = value(value(VS("/vout") 0.025) i )
  fprintf( ... )

  drain( fid ) ;flush

) ;for loop

close( fid )
```