```
#COMPILE EXE
#DIM ALL
   REM *** stream function for cylinder with circulation 2019
      GLOBAL i,j,x,y,r,K,V,sum,psi,zz AS SINGLE
FUNCTION PBMAIN
         K=1:V=1
            OPEN "c:MAGNUSeff.dat" FOR OUTPUT AS #1
               FOR j=1 TO 101
                  FOR i=1 TO 101
                     x=-10+(i-1)*1/5
                     y=-10+(j-1)*1/5
                        sum=x^2+y^2
                        IF SQR(sum)<1 THEN 200 ELSE 100
   100 REM *** continue
               psi=V*(y-y/sum)+K*LOG(sum)
               WRITE#1,x,y,psi
   200 REM *** continue
               NEXT i:NEXT j
                  PRINT x,y,psi
                  INPUT "Shall we continue?";zz
                  IF zz>0 THEN END
END FUNCTION
```