

NAME

hkcircle – scan along an arc in the *HK*-plane in reciprocal space

SYNOPSIS

```
hkcircle radius angle_start angle_end intervals time [expression]
```

DESCRIPTION

The `hkcircle` macro scans along a circular arc in the *HK*-plane in reciprocal space. The radius of the arc is given by *radius* and the arc runs from *angle_start* to *angle_end*. The number of data points collected will be *intervals*+1. Count time is given by *time*, which if positive, specifies seconds and if negative, specifies monitor counts.

The optional last argument can supply expressions to be evaluated after H and K are calculated for each point. You may, for example, supply an expression to calculate values for L or include expressions to offset the values of H and K.

EXAMPLES

```
hkcircle 1 0 90 10 60 "H += .5; K += .5"  
hkcircle 1 0 90 10 60 L=H/.125  
hkcircle 1 0 360 10 60 L=0
```

SEE ALSO

```
hklscan hscan kscan lscan hlcircle klcircle hkradial hlradial klradial
```