

NAME

klradial – scan along a radius in the *KL*-plane in reciprocal space

SYNOPSIS

```
klradial angle start end intervals time [expression]
```

DESCRIPTION

The *klradial* macro scans along a radius in the *KL*-plane in reciprocal space. The angle of the arc from the positive *K* axis is given by *angle* and the scan runs from the radius given by *start* to the radius given by *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 *K* and *L* are calculated for each point. You may, for example, supply an expression to calculate values for *H* or include expressions to offset the values of *K* and *L*.

EXAMPLES

```
klradial 45 .0 sqrt(2) 10 10  
klradial 90 0 1 20 60 "K+=.5; L+=.5"
```

SEE ALSO

hklscan hscan kscan lscan hkcircle hlcircle klcircle hkradial hlradial