

pedit

keys:	[plist]	<number>	source particle parameter list
	[to]	<number>	output particle parameter list
	segment	<number>	segmented picture (source and output the same)
		<n1>, <n2>	source and output segmented picture
	if	<expression>	logical expression specifying which particles to include
	unless	<expression>	logical expression specifying which particles to exclude

pedit operates on the particle parameter list (*ppl*) produced by the **analyse** command. **pedit** allows you to revise a *ppl* and/or a segmented picture to retain only the particles that satisfy your specified conditions. Refer to *Appendix D, Particle Parameters* for a list of the parameters recorded by **analyse** and the names that you should use to refer to them in **if/unless** expressions.

Examples

```
analyse...; pedit if hferet/vferet<5
```

This command revises the current *ppl*, only retaining particles with a horizontal feret diameter less than the vertical feret diameter times 5, that is, only long, thin particles that are vertically orientated.

```
pedit 4 5 unless circularity>.7
```

This command copies the *ppl* in picture 4 to 5, removing particles of a near-circular shape.

```
pedit 50 to 51 segment 4,5 if xcen>0
```

This command revises both the *ppl*/50 and the segmented picture 4, retaining only particles in the right-hand side of the analysed field. The final *ppl* is stored as picture 51, and the new segmented picture as 5.

Description

analyse records 25 particles for each particle and stores these details in a particle parameter list (*ppl*). **pedit** allows you to revise the *ppl* by specifying the type of particles to be retained using the keys **if/unless**. Use a valid Semper expression with these keys, as defined in *Appendix B, Semper Expression Syntax*.

To revise a *ppl*, specify an output *ppl* number using the key **to**. To revise a segmented picture use the **segment** key followed by the numbers of the source and output segmented pictures. If you omit the output picture number, it defaults to the source picture number.

Semper 6 Command Reference

pedit

Notes

see also: **analyse**

Defaults and Ranges

keys/options	defaults	range
[plist]	<i>ppl</i> held in the variable <i>pplist</i>	valid picture number
[to]	<i>none</i>	valid picture number
segment	no updating of segmented picture	valid picture number
if	true	valid Semper expression
unless	false	valid Semper expression