SIMPLE 2.0 command line dictionary

acf	autocorrelation function
amsklp	automask low-pass limit (in Å)
bin	binarize (yes|no)
box	image size in pixels (image assumed to be *box*box* array)
boxpd	padded box size (default is *2*box*)
center	center(yes|no)
clsdoc	Spider format clustering document
cure	cure or not (yes|no), for curing NaN:s and normalize
cwd	current working directory
debug	debug mode (yes|no)
deterministic	deterministic search (yes|no)
discrete	discrete option (yes|no)
doalign	do alignment (yes|no)
dopca	do PCA (yes|no)
doprint	do print (yes|no)
e1	first Euler angle
e2	second Euler angle
e3	third Euler angle
edge	edge size for softening molecular envelope (in pixels)
eo	even-odd test (yes|no)
even	even (yes|no)
fbody	file body (<body>.ext)
filter	filter (yes|no)
frac	fraction [0,1]
fromp	from particle index
froms	from state index
gw	Gaussian half width (in pixels)
hp	high-pass limit (in Å)
kmeans	do kmeans (yes|no)
local	local refinement (yes|no)
lp	low-pass limit (in Å)
matched	use matched Wiener filter (yes|no)
maxits	maximum number of iterations
minp	minimum number of particle images (in a cluster)
moldiam	molecular diameter (in Å)
msk	circular or spherical mask radius (in pixels)
mskfile	external mask file (*.spi)
mul	multiplication (scaling) factor (for shifts)
mw	molecular weight (in kD)
navgs	number of averages
ncls	number of clusters
ndiscrete	number of discrete (orientations)
ndocs	number of documents
newbox	new box size

noise	noise (yes|no)
noris	number of orientations
norm	normalize (yes|no)
npart	number of partitions
npeaks	number of peaks (=number of nonzero orientation weights)
nptcls	number of particle images
nran	number of images in random sample
nspace	number of projection directions in search space
nstates	number of discrete state groups
nthr	number of openMP threads
nvars	number of eigenvectors or hidden variables
nvox	number of voxels
oritab	SIMPLE orientations file (*.txt)
outfile	SIMPLE output file (*.txt)
outstk	output Spider image stack (*.spi suffix required)
outvol	output Spider volume (*.spi suffix required)
part	partition number
pgrp	point-group symmetry (c1, c2, c3, …, or d1, d2, d3, …)
phrand	phase randomize (yes|no)
phranlp	phase randomization low-pass limit (in Å)
ppca	probabilistic pca (yes|no)
ring1	inner ring in polar image representation
ring2	outer ring in polar image representation
rnd	random (yes|no)
roalgn	rotational alignment (yes|no)
shalgn	shift alignment (yes|no)
smpd	sampling distance (in Å)
snr	signal-to-noise ratio
space	space (real|fourier)
startit	starting iteration (if different than 1)
state	discrete state group
stk	spider image stack name (*.spi suffix required)
stk2	second spider image stack name (*.spi suffix required)
stk3	third spider image stack name (*.spi suffix required)
tau	temperature parameter
time_per_image	per particle time indicator
top	to particle index
tos	to state index
tres	threshold
trs	origin shift search range parameter [-*trs*,*trs*]
trsstep	translation step size
utst	unit test number
var	variance
vol1	spider volume 1 name (*.spi suffix required)
wfun	weighting function or interpolation kernel
winsz	window size for interpolation

zero zero (yes|no)