Spotsizer2 manual

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General usage:

spotsizer2 <run\_mode>

Will analyse all images in the current directory. The directory also needs to contain a Colonyzer.txt file with grid information and a spotsizer2.config file.

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| --- | --- | --- | --- |
| Name | Description | Type | Default |
| parallelQ | Should spotsizer2 use multiple CPU cores? | Boolean | True |
| distance\_threshold | The distance between two grid positions will be divided by this number to compute the maximum distance a putative colony can be away from its reference grid position. Decreasing this number towards 2 makes colony-to-grid-matching more permissive (might help when your plate is at a slight angle). | float > 2 | 4 |
| image\_threshold | By default, the intensity threshold to distinguish colonies from background is determined by the Otsu method. The determined value will be multiplied by image\_threshold to give the final threshold. | float > 0 | 1 |
| size\_threshold | Detected putative colonies will be filtered by size and small components (usually image noise) will be excluded. The default threshold is the image width divided by 32 and it is therefore independent of scanning resolution. This default is then multiplied by size\_threshold to give the final threshold. | float > 0 | 1 |
| negateQ | Should the image be colour inverted before processing? Images acquired with transmission scanning will generally require this. This option does not apply to cfuq\_john | Boolean | True |