

Re: I need to locate pore clusters

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In the general case, you need a K-means algorithm with a fixed threshold T for "closure" and arbitrary number of final clusters. In some software packages, these routines are included under the name "cluster analysis" or "linkage". In any case, if you use Euclidean distance, you always need to start off by calculating all the pair-wise distances of N points, i.e. a $N \times N/2$ distances matrix. The formation of clusters is negligible in complexity/time compared to this task. This means that any time constraints mostly refer to the "closure" measure. If a 2x"1D" measure is used as previously proposed, your computation time should drop almost by a factor of N.

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