
Subject: Re: Constructing an exact Euclidean distance map
Posted by [lecacheux.alain](#) on Mon, 04 Feb 2013 14:30:37 GMT
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Le lundi 4 février 2013 14:57:50 UTC+1, Rob Klooster a écrit :

> The main use i have for an exact EDM is the calculation of the diameter of an inscribed circle of the object of interest. This is equal to twice the maximum of the EDM. Using the approximate EDM from `morph_distance` leads to a consistent overestimation of this diameter, which is also dependent of the orientation of the object. Maybe you have a better way of getting the inscribed circle?

Depending on the exact formulation of your problem, Voronoï diagram might be useful. See VORONOI and QHULL procedures.
alain.
