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Subject: Check for duplicate locations

Posted by [Med Bennett](#) on Thu, 18 Feb 2016 16:48:34 GMT

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I have X,Y,Z data for several thousand points that I need to check for duplicate locations. I cannot have duplicated locations in the sample data, as it breaks the kriging algorithm I am using. I've always used a brute force method of computing a distance function between each point and all subsequent points, and flagging any points for which the distance is zero, or some small threshold. This method is very slow for larger numbers of points, however. Does anyone have a method for doing this more efficiently? I've found simple methods for one-dimensional data, but not for points in 3-space.

Thanks!

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