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Subject: Thinning image morphological operator  
Posted by [Tom S.](#) on Thu, 29 Jun 2006 22:15:04 GMT  
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I had a question about the THIN function in IDL. I was under the impression that this operation was supposed to preserve connectivity. Am I mistaken? The IDL implementation does not seem to do so.

The image linked below is output from a program I wrote. It simply takes the image on the left and applies the THIN function, yielding the image on the right. (Note the gap that forms toward the bottom.)

<http://twslankard.googlepages.com/fluke.jpg>

Is this a problem with my understanding of the thinning operation or is it a problem with the THIN function? Any assistance is greatly appreciated!

Regards,  
Tom S.

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