Subject: Segfault when smoothing image
Posted by thoeger on Sun, 14 Feb 2010 10:54:50 GMT

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Hello newsgfroup;

I hope this question isn't too basic.

As part of my master thesis in astronomy, I have to make an image
consisting of 2200x2200 pixels having the value zero except certain
pixels, representing each the center of tan astronomical objects,
having the value one. The goal is to get an idea of the number density
of objects in the field, so I try to do a gaussian smoothing using
the filter_image function, but end up with a segfault and IDL
quitting due to floating underflow. (To be precise, this is GDL on my
laptop. True IDL on the university computers just stalls
indefinitely). So it seems I'm doing something wrong here. Does anyone
have an idea how to implement the smoothing, if not by filter_image?