
Subject: gaussian convolution

Posted by [mikeinthesky](#) on Fri, 23 Mar 2007 15:00:20 GMT

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Hi there,

I have a (theoretically computed) spectrum and I would like to degrade it to a lower resolution.

I was wondering if there is any standard procedure to do it and/or some "pre-cooked" routine in IDL. Is there any gaussian filter routine?

My first guess would be to use a gaussian filter in order to reduce the resolution. The spectrum is (intensity vs. wavelength), so I think 1D gaussian filter would be OK. Is there anyone with experience on it ?

Suggestions are welcome, thanks! Cheers,
Tim
