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Subject: Re: convolution of vsini  
Posted by [wlandsman](#) on Wed, 23 Jan 2013 16:49:33 GMT  
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The IDL astronomy library has the function LSF\_ROTATE

[http://idlastro.gsfc.nasa.gov/ftp/pro/astro/lst\\_rotate.pro](http://idlastro.gsfc.nasa.gov/ftp/pro/astro/lst_rotate.pro)

to return a convolution kernel for rotating a stellar spectrum under typical assumptions (e.g. constant limb darkening). You can use one of the many interpolation routines (e.g. `interp()`) to do the interpolation.

On Wednesday, January 23, 2013 7:10:12 AM UTC-5, idlhelp wrote:

> Does anyone know the IDL routine with the help of which I can first do the interpolation onto a wavelength grid and then get the kernel for vsini and then finally interpolate back onto my original wavelength grid.

>

>

>

> thanks

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