
Subject: Re: image spectral resampling

Posted by [Maxwell Peck](#) on Fri, 09 Jul 2010 22:42:13 GMT

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On Jul 9, 1:10 am, Image analysis novice <shilp...@gmail.com> wrote:

> I am trying to resample a hyperspectral image to Worldview-2 's
> wavelengths. I'm not sure how to do this. I have used Spectral ->
> Spectral resampling option in ENVI for satellites such as Ikonos and
> Quickbird but without knowing the filter function for Worldview how
> can I get my task done?
>
> Thanks!

Resampling Spectral Data Files

Use Spectral Resampling to resample spectral data files to match either the response of a known instrument (for example, TM, MSS, or AVIRIS), a user-defined filter function, an ASCII wavelength file (with or without FWHM information), or the wavelengths of a specific image input file. The resampling method you use depends on the input information. If you only provide wavelengths (band centers), ENVI assumes critical sampling and uses a Gaussian model with an FWHM equal to the band spacings. If you provide wavelengths and FWHM information, ENVI uses a Gaussian model with FWHM spacings. If you provide a filter function, ENVI uses that for the resampling.

From the ENVI main menu bar, select Spectral Spectral Resampling. See Selecting Resampling Types for the remaining steps.
