
Subject: Convolve a spectrum (from MODTRAN) with a spectral response function

Posted by [Mat](#) on Wed, 30 Dec 2009 03:41:33 GMT

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Hi all

I would like to convolve a spectrum (output from MODTRAN) with a spectral response curve (Landsat7 B62) and then integrate the result.

Eg. Spectrum:

Wavelength	Radiance
12.9	7.28E-004
12.89	6.81E-004
12.87	6.66E-004
12.85	7.35E-004
12.84	7.00E-004
12.82	7.37E-004
12.8	7.37E-004

Wavenuber	Relative Spectral response
800.00000	0.2
800.64051	0.29
801.28205	0.27
801.92462	0.28
802.56822	0.36
803.21285	0.36
803.85852	0.39
804.50523	0.41
805.15298	0.42
805.80177	0.43
806.45161	0.45
