Python peak finder

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IPython notebook:

Detect\_peaks.ipynb

Supporting file:

H spectrum full set.dat

This peak finder is better than the ones provided via SciPy.  I illustrate its use to find the peaks in the hydrogen lamp spectrum, which is a file of (wavelength, intensity) data.  Download both files into your working directory and run the entire notebook.  (You may need to run the %pylab cell first, separately).  Note that the output is a vector with the indices of the 1-dimensional array containing the positions of the peaks.  Modify the threshold and see if you can get only the strongest peaks.