Subject: Question relating to IDL wavelet methods
Posted by Hu on Fri, 16 Jan 2009 19:01:30 GMT
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Hi, there
I got an array X which having 152 elements, and I want to use some wavelet methods to remove noise (abnormal elements), Here is my code in IDL

```
 ;;////////////////////////////////////////////////////////// //////
;;generate array X with 152 elements
X=[....]

;;get information of specific wavelet (DAUBECHIES)
infomation=WV_FN_DAUBECHIES(8,scaling,wavelet,ioff,joff)

;;define stop level
nl=3

;;perform wavelet transformation
xdwt = wv_dwt(X,scaling,wavelet,ioff,joff,n_levels=nl)        ;;-------
here is the error source

;; denoise
newdwt=wv_denoise(xdwt,'DAUBECHIES',3)

;;inverse wavelet transform
idwt = wv_dwt(newdwt,scaling,wvx,ioff,joff,N_LEVELS=nl,INVERSE=1)
help,idwt
print,'idwt is',idwt
 ;;////////////////////////////////////////////////////////// ////
```

The error information is:
WV_DWT: Input array dimensions must be less than 4 or a power of 2.

Can anybody here tell me the reason why this happened? and how can it be solved?

Thanks

Hu