Subject: Re: Butterworth Band-Pass Filter
Posted by David Fanning on Sun, 12 Dec 2010 17:02:25 GMT
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burton449 writes:

> According to your documentation, a high-pass butterworth filter will
> be defined like that:
> filter = 1 / [1 + C(Ro/R)^2n]
>
> So in IDL, for a cuttoff of 15, and freqImage = FFT(image, -1), the
> filter will be defined like that:
> filter = 1.0 / (1.0d + (15.0/freqImage)^2)
>
> Is it right?

For what it's worth, I got confused by all this when
I was reading this article, too, in preparation for
including this information in my new book. I think I
explained it better in the book, and I'll probably go
back and fix this article, too. But not now. I can see
the end of this book from where I am standing and I am
at the point where bathing is completely extraneous to
my purpose! :-)

Cheers,

David

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Sepore ma de ni thui. ("Perhaps thou speakest truth.")