Subject: Re: multitaper spectral analysis code?
Posted by Klaus Scipal on Wed, 28 Nov 2001 15:28:46 GMT

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klaus

Robert Stockwell <rgs1967@hotmail.com> wrote in message
news:3C04F30A.5040002@hotmail.com...
> Hello Klaus,
> thanks for the response.
> I saw what appears to be your second message, but I do not
> see your first response on the newsgroup. Could you please
> repost?
>
> Cheers,
> bob stockwell
>
>
>
>
> Klaus Scipal wrote:
>
>> btw: the code attached in my posting doesn't save the derived mtm
spectrum
>> nor does it display the result. but it shouldn't be a problem to take
care
>> for that by you own (modify the routine mtm_spectral_analysis)
>>
>> regards klaus
>>
>>
>>
>> Klaus Scipal <kscipal@ipf.tuwien.ac.at> wrote in message
>> news:9u2co1qls1@news.tuwien.ac.at...
>>
>>> Hi Bob
>>>
>>> I have once implemented the MTmethod in IDL 5.2. In fact I translated a
C
>>> subroutine made available for public use by J.M Lees (you might want to
>>>
>> take
>>
>>> a look at http://www.unc.edu/~leesj/mtm/ for articles on MTM the C code
>>>

>> and
>>
>>> some documentation).
>>> I attached these routines so you can try working with them.
>>>
>>> They are not optimised for speed and efficiency and I am not one of
these
>>> programmer wizs so don't expect great code. But they are working and as
>>>
>> far
>>
>>> as I have tested them they derive the right results. Unfortunately I
>>>
>> didn't
>>
>>> spend to much time for documenting the code so I recommend that you read
>>> some material about MTM and check the code once you have adapted it for
>>>
>> your
>>
>>> purposes (test series are available on http://www.unc.edu/~leesj/mtm/).
>>>
>>> Klaus
>>>
>>>
>>>
>>>
>>>
>>> Robert Stockwell <rgs1967@hotmail.com> wrote in message
>>> news:3C03BC4F.7000406@hotmail.com...
>>>
>>>> Greetings all,
>>>> does anyone have multitaper spectral analysis code
>>>> in idl (for instance from the percival and walden book)?
>>>>
>>>> I looked at that in the distance past, but didn't get into
>>>> it very far.
>>>>
>>>> Cheers,
>>>> bob stockwell
>>>>
>>>>
>>>
>>>
>>
>>
>