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Subject: Re: Circular statistics in IDL

Posted by [Gadi Goelman](#) on Tue, 20 Dec 2016 16:05:01 GMT

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On Tuesday, December 13, 2016 at 6:10:30 PM UTC+2, Dick Jackson wrote:

> On Tuesday, 13 December 2016 01:20:14 UTC-8, Gadi Goelman wrote:

>> Does any one know if there is a circular statistics tool in IDL similar to the CircStat in Matlab?  
or any other tool to work with complex numbers

>>

>> Thanks

>>

>> Gadi

>

> Hi Gadi,

>

> I haven't seen an IDL library available, but when I needed some circular statistics (a.k.a. directional statistics) I wrote that up myself. What I did computed the mean, variance and standard deviation.

>

> The CircStat library certainly is comprehensive:

> <https://github.com/circstat/circstat-matlab>

>

> How much of that functionality do you think you will need?

>

> Cheers,

> -Dick

>

> Dick Jackson Software Consulting Inc.

> Victoria, BC, Canada --- <http://www.d-jackson.com>

Thanks Dick

What I need is to calculate significance of complex numbers or phases. Do you know if correct calculations of mean, variance etc is sufficient? I guess that you cant assume normal distributions and different distributions are needed such circular Gaussian.

Best,

Gadi

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