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Subject: Re: Adding a stack of array in quadrature sum  
Posted by [David Fanning](#) on Sat, 14 Mar 2009 16:54:50 GMT  
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joerhee@gmail.com writes:

> I'm working on a stack of image array in which I need to calculate  
> quadrature sum of each pixel. I'd like to know if there is any  
> program that does it or if anybody know an efficient way to do it.

Assuming that a "quadrature sum" is the square root  
of the sum of the squares, I think something like this  
would work:

```
qsum = SQRT( Total(stack^2, 3) )
```

This assumes that the third dimension is the number of  
images in the stack.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>  
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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