
Subject: Re: JBIU update (and testimonial)

Posted by [wlandsman](#) on Sun, 13 Mar 2011 04:30:14 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Saturday, March 12, 2011 10:21:35 PM UTC-5, Jeremy Bailin wrote:

> I also thought that you might be entertained by what my boss had to say about MATCH_SPH, once I finally got him to try it out:

>

> "Holy shit! I cannot believe how much faster that is than srcor. I kept on

> putting off reading it in... But I needed to x-correlate 300Kx300K, and it

> was going to take me days (literally). your routine did it in 5 seconds."

>

To be fair , he was most likely using a pre-March 2009 version of srcor.pro in the Astron library, which is when it was updated to dramatically improve the speed for spherical matching.

On the other hand, I was just informed about a bug in srcor.pro when the sources are spread over more than half the sky, so maybe it was better to be using a different routine. I'll have an update to srcor.pro soon. --Wayne

Subject: Re: JBIU update (and testimonial)

Posted by [Jeremy Bailin](#) on Sun, 13 Mar 2011 05:09:49 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Saturday, March 12, 2011 11:30:14 PM UTC-5, wlandsman wrote:

> On Saturday, March 12, 2011 10:21:35 PM UTC-5, Jeremy Bailin wrote:

>

>> I also thought that you might be entertained by what my boss had to say about MATCH_SPH, once I finally got him to try it out:

>>

>> "Holy shit! I cannot believe how much faster that is than srcor. I kept on

>> putting off reading it in... But I needed to x-correlate 300Kx300K, and it

>> was going to take me days (literally). your routine did it in 5 seconds."

>>

>

> To be fair , he was most likely using a pre-March 2009 version of srcor.pro in the Astron library, which is when it was updated to dramatically improve the speed for spherical matching.

Yeah, probably - I was surprised when he said it was almost 4 orders of magnitude faster, since it was more like a factor of 60-70 in my tests.

-Jeremy.
