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Subject: Re: Vectorizing Code

Posted by [K. Bowman](#) on Thu, 28 Feb 2002 15:43:53 GMT

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In article <a5kg1a\$17m\$1@mwrns.noaa.gov>,

"Pavel Romashkin" <pavel\_romashkin@hotmail.com> wrote:

> From: "Kenneth P. Bowman" <kpb@null.com>

>

>> sa = 10.^2\*EXP(-ABS(REBIN(LINDGEN(nstate), nstate, nvec, /SAMPLE) - \$

>> REBIN(REFORM(LINDGEN(nvec), 1, nvec), nstate, nvec, /SAMPLE))\*dz/h)

>

> I am afraid I'd rather stick with the optimized loops than something that

> takes me five minutes to figure out :-(

> Pavel

I used to feel as you, lost among the REBINS and HISTOGRAMS with

REVERSE\_INDICES, but I have read the REBIN tutorial,

brothers and sisters, and I have seen the light!

(Admittedly, it was a 40 W appliance bulb.) It was understanding

the REFORM call that makes this a useful approach for me.

I was recently computing some conditional probability distributions,

and using REVERSE\_INDICES sped things up by about a factor of 10

over repeated WHERE's.

To paraphrase Scott Turow, I'm just "learning to love IDL".

Ken

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