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Subject: Re: Accelerating a one-line program doing matrix multiplication

Posted by [rogass](#) on Wed, 29 Sep 2010 14:49:57 GMT

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On 29 Sep., 12:48, Axel M <axe...@gmail.com> wrote:

> I have to admit that I did not understand this proposed use of

> REPLICATE:

>

>>> sometimes (replicate({temp:input},newsize)).(0) is faster then rebin

>

> But it brought me a related question in mind: does IDL have a

> "REPLICATE" function for vectors instead of scalar values? I am using

> REBIN, but REBIN is thought for more advanced uses and probably

> suboptimal for a "replicate-like" use... right?

Yes, it has as I mentioned uncommented above:

sometimes (replicate({temp:input},newsize)).(0) is faster then rebin

-> this means:

```
IDL> a=findgen(3)
```

```
IDL> print,a
```

```
0.000000 1.00000 2.00000
```

```
IDL> print, rebin(a,3,5)
```

```
0.000000 1.00000 2.00000
```

```
0.000000 1.00000 2.00000
```

```
0.000000 1.00000 2.00000
```

```
0.000000 1.00000 2.00000
```

```
0.000000 1.00000 2.00000
```

```
IDL> print, (replicate({temp:a},5)).(0)
```

```
0.000000 1.00000 2.00000
```

```
0.000000 1.00000 2.00000
```

```
0.000000 1.00000 2.00000
```

```
0.000000 1.00000 2.00000
```

```
0.000000 1.00000 2.00000
```

Regards

CR

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