
Subject: Re: Matrix a*b in loop

Posted by on Sat, 19 Jul 2014 20:31:55 GMT

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

Den torsdagen den 17:e juli 2014 kl. 23:16:29 UTC+2 skrev Gompie:

> Hi,

>

> I have a simple question.

>

>

>

> I have two matrices A (696 , 1523854) and B (1,696) Matrix .

>

> I wish to have a matrix c whose each row is a product of rows elements of a and b i.e a*b

>

>

>

> I can do it in a loop by saying a(:,i)*b but it takes a lot of time because I (~1523854) would be very large number. Is it possible to do it in one go.

Is this what you want to do?

```
IDL> a = randomu(seed,696,1523854)
```

```
IDL> b = randomu(seed,1,696)
```

```
IDL> help,a,b
```

```
A          FLOAT    = Array[696, 1523854]
```

```
B          FLOAT    = Array[1, 696]
```

```
IDL> c = a ## b
```

```
IDL> help,c
```

```
C          FLOAT    = Array[1, 1523854]
```

http://www.exelisvis.com/docs/Matrix_Operators.html

http://www.exelisvis.com/docs/matrix_multiply.html
