
Subject: SPEED UP

Posted by [Mario Noyon](#) on Thu, 10 Oct 1996 07:00:00 GMT

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

Anyone knows that FOR staements slows down IDL.

Well, I would like to present you two cases where I would enjoy to avoid them and I didn't find any solution yet. If someone could help me :

1 - I want to open a cut a big data of dimension N in n little sets of dimension n/N. Msut I use a for statement or is there another one solution?

2 - I have posted this news before but as I didn't get any solution, I post it once more (because before every body was in holiday). I want to make a linear fit or an integration with some matrix and only IDL'outines give me a sufiscient acuracy.

My problem is :

```
x=ARRAY(n,n,p)
```

```
y=ARRAY(p)
```

and I must do :

```
for i=0,n-1 do
```

```
  for j=0,n-1 do
```

```
    coef(i,j)=INT_TABULATED(x(i,j,*),y)
```

```
  end
```

```
end
```

And that takes too much time !!!

It is the same for the linear regression. I watched the code of INT_TABULATED to modify it so it can take arrays of (n,n,p) instead of arrays of (p). But I couldn't do anything(nor for POLY_FIT)...

If someone has an idea...

PS: Does anyone know how to make in an efficient way the identity matrix.

Thanks.

--

NOYON Mario

Computer Science in Medical imaging

University of Bordeaux 2

mnoyon@jmc-luni.u-bordeaux2.fr
