
Subject: Can anyone show me how to do this without loops?

Posted by [Liam Gumley](#) on Mon, 31 Jul 1995 07:00:00 GMT

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Can anyone show me how to code this algorithm without loops?

It's got me stumped.

Data types are:

degree is an integer

i = degree + 1

j = degree + 1

kx = fltarr(i, j) ; contains polynomial coefficients

ky = fltarr(i, j) ; contains polynomial coefficients

x0, y0, xi, yi are float variables or vectors

Here is the code:

```
xi = 0.0
```

```
yi = 0.0
```

```
for i = 0, degree do begin
```

```
  for j = 0, degree do begin
```

```
    xi = xi + kx( i, j ) * x0 ^ j * y0 ^ i
```

```
    yi = yi + ky( i, j ) * x0 ^ j * y0 ^ i
```

```
  endfor
```

```
endfor
```

Many thanks,

Liam.

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