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Subject: Bug in IDL CONVOL procedure

Posted by [Ulrik Kjems](#) on Fri, 14 Jul 1995 07:00:00 GMT

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There seems to be a (several) bugs in the CONVOL library routine.

```
IDL> a=[0,1,1,1,0]
```

```
IDL> b=[1,1,1]
```

```
IDL> print,convol(a,b)
```

```
    0    2    3    2    0
```

I believe, that the result should be

```
    1    2    3    2    1
```

according to the reference manual p. 1-55.

Further, when convolving in 3D:

```
IDL> a=replicate(1.0,5,5,5)
```

```
IDL> b=replicate(1.0,3,3,3)
```

```
IDL> c=convol(a,b,/edge_wrap)
```

```
IDL> print,c
```

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