
Subject: rebinning histogram

Posted by [James Kuyper](#) on Mon, 31 Oct 2005 17:30:36 GMT

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Is there some way within IDL to do the following while avoiding the inefficiency of using IDL loops?

```
rows = 135
```

```
cols = 203
```

```
ratio = 10
```

```
values = 8
```

```
summary = DBLARR(values, cols, rows)
```

```
data = DBLARR(cols*ratio, rows*ratio)
```

```
FOR row=0,rows-1 DO BEGIN
```

```
  FOR col=0, cols-1 DO BEGIN
```

```
    summary[col,row,*] = HISTOGRAM(data[ratio*col:(ratio*col+1), $  
      ratio*row:(ratio*row+10), MIN=1, MAX=VALUES)
```

```
  ENDFOR
```

```
ENDFOR
```
