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Subject: Re: How to represent the spatial distribution of a parameter

Posted by [Jean H.](#) on Wed, 10 Dec 2008 13:05:22 GMT

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Hi,

I did something similar a while ago... here is part of it:

```
newX = Xdata / CellSizeX ;Agregate the data
```

```
newY = Ydata / CellSizeY
```

```
nbCol = ceil((maxX+1.0) / cellSizeX)
```

```
nbRow = ceil((maxY+1.0) / cellSizeY)
```

```
nPoint = n_elements(newX)
```

```
image = lonarr(nbCol, nbRow)
```

```
nbPointsXY = lonarr(nbCol, nbRow)
```

```
for i = 0L, nPoint-1 do begin
```

```
    image[newX[i], newY[i]] += v[i]
```

```
    nbPointsXY[newX[i], newY[i]] += 1
```

```
endfor
```

```
image /= nbPointsXY ;do the average
```

```
tvscf, image
```

Jean

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