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i have a set of 2D data, say:

for columns:

```
IDL> print,vz  
  -1.62839  -1.23045  -0.628389  -0.327359  0.0483046  
0.246672
```

for rows:

```
IDL> print,vage  
  1.00000e+08  1.40000e+08  2.00000e+08  2.80000e+08  4.00000e+08  
5.60000e+08  7.90000e+08  1.12000e+09  1.58000e+09  2.24000e+09  
3.16000e+09  4.47000e+09  6.31000e+09  8.91000e+09  1.25900e+10  
  1.58500e+10
```

but i need to represent this surface at some other coordinates, say
that i need x-axis to have values

```
newx = [-2.0, -1.5, -1.0, -0.5, 0.0, 0.5]
```

and y-axis a vector with 10 elements, spaced regularly in log.

what is the best way to rebin and/or interpolate my original 2D data
to the desired new coordinates?

i've been trying without success with the gridding/interpolation
routines, that i'm completely new at.

many thanks for any help,
paula
