

DCMTK - Feature #460

dcm2pnm, dcmj2pnm and dcmscale should support scaling in both direction at the same time

2012-11-02 12:08 - Jörg Riesmeier

Status:	New	Start date:	2012-11-02
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Application	Estimated time:	0:00 hour
Target version:		Compiler:	
Module:	dcmimage, dcmjpeg		
Operating System:			

Description

Currently, all these command line tools check for the following options as being mutually exclusive (although it is not apparent for the user since it this fact is not documented anywhere):

```
+Sxf  --scale-x-factor  [f]actor: float
      scale x axis by factor, auto-compute y axis

+Syf  --scale-y-factor  [f]actor: float
      scale y axis by factor, auto-compute x axis

+Sxv  --scale-x-size    [n]umber: integer
      scale x axis to n pixels, auto-compute y axis

+Syv  --scale-y-size    [n]umber: integer
      scale y axis to n pixels, auto-compute x axis
```

However, in case the aspect ratio is ignored (option -a), it should be possible to specify a scaling factor or a particular size in pixels independently for both axes, e.g. use "+Sxv 128 +Syv 128" to scale the input image to a fixed size.
It should also be checked whether combinations like "+Sxv 128" (pixels) and "+Syf 0.5" (scaling factor) are possible...