pillow

January 26, 2020

In [1]:
```
import PIL
from PIL import Image,ImageDraw,ImageColor,ImageFont
from PIL import ImageEnhance
img=Image.open("readonly/msi_recruitment.gif")
img=img.convert('RGB')
p=0.1
images=[]

font = ImageFont.truetype("readonly/fanwood-webfont.ttf",175)
for r in range (3):
    for x in range(img.width):
        for y in range(img.height):
            current_color = img.getpixel( (x,y) )
            img.putpixel((x,y),(int(p*current_color[0]),current_color[1],current_color

    images.append(img)
    p+=0.4
    img=Image.open("readonly/msi_recruitment.gif")
    img=img.convert('RGB')

p=0.1
for r in range (3):
    copy=img
    for x in range(img.width):
        for y in range(img.height):
            current_color = img.getpixel( (x,y) )
            img.putpixel((x,y),(current_color[0],int(p*current_color[1]),current_color
    images.append(img)
    p+=0.4
    img=Image.open("readonly/msi_recruitment.gif")
    img=img.convert('RGB')

p=0.1
for r in range (3):
    for x in range(img.width):
        for y in range(img.height):
            current_color = img.getpixel( (x,y) )
```

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            img.putpixel((x,y),(current_color[0],current_color[1],int(p*current_color[
    images.append(img)
    p+=0.4
    img=Image.open("readonly/msi_recruitment.gif")
    img=img.convert('RGB')
first_image=images[0]
contact_sheet=PIL.Image.new(first_image.mode, (first_image.width*3,first_image.height*
rectangle=PIL.Image.new(first_image.mode, (first_image.width,first_image.height//9))
x=0
y=0
draw = ImageDraw.Draw(rectangle)
k=first_image.height+first_image.height//9
n=0.1
m=0
for r in images:
    contact_sheet.paste(r, (x, y) )
    draw.text((x, k), "channel {} intensity {}".format(m,n),fill='red', font=font)
    if x+first_image.width == contact_sheet.width:
        x=0
        m=m+1
        n=0.1
        k=k+first_image.height+first_image.height//9
        y=y+first_image.height+first_image.height//9
    else:
        x=x+first_image.width
        n=n+0.4

contact_sheet = contact_sheet.resize((int(contact_sheet.width/2),int(contact_sheet.hei
display(contact_sheet)
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