VIDEO COLORIZER

PROGRAM:

```
!git clone https://github.com/jantic/DeOldify.git DeOldify
cd DeOldify
#NOTE:  This must be the first call in order to work properly!
from deoldify import device
from deoldify.device_id import DeviceId
#choices:  CPU, GPU0...GPU7
device.set(device=DeviceId.GPU0)

import torch

if not torch.cuda.is_available():
    print('GPU not available.')

from os import path
!pip install -r requirements-colab.txt
import fastai
from deoldify.visualize import *
from pathlib import Path
torch.backends.cudnn.benchmark=True
import warnings
warnings.filterwarnings("ignore", category=UserWarning,
message=".*?Your .*? set is empty.*?")
!mkdir 'models'
!wget https://data.deepai.org/deoldify/ColorizeVideo_gen.pth -O
./models/ColorizeVideo_gen.pth
colorizer = get_video_colorizer()
source_url = '' #@param {type:"string"}
render_factor = 21  #@param {type: "slider", min: 5, max: 40}
watermarked = True #@param {type:"boolean"}

if source_url is not None and source_url !='':
    video_path = colorizer.colorize_from_url(source_url, 'video.mp4',
render_factor, watermarked=watermarked)
    show_video_in_notebook(video_path)
else:
    print('Provide a video url and try again.')
for i in range(10,40,2):
    colorizer.vis.plot_transformed_image('video/bwframes/video/00001.jp
g', render_factor=i, display_render_factor=True, figsize=(8,8))
```