videodecframewk

March 7, 2017

1 Videoencframewk

Program to open a video input file 'videorecord.txt' (python txt format using pickle) and display
it on the screen. This is a framework for a simple video decoder to build.

```
-Gerald Schuller, April 2015
```

- **Import relevant modules:**

```
In [1]: import numpy as np
        import cv2
        import sys
        import pickle


        f=open('videorecord.txt', 'rb')
```

- **Try/catch block to avoid EOFError while reading the file in while loop:**

```
In [2]: try:
            while True:
            #load next frame from file f and "de-pickle" it, convert from a string back to matri
                reduced = pickle.load(f)

                #here goes the decoding:
                framedec = reduced.copy()

                cv2.imshow('Video', framedec)
                #Wait for key for 50ms, to get about 20 frames per second playback
                #(depends also on speed of the machine, and recording frame rate, try out):
                if cv2.waitKey(50) & 0xFF == ord('q'):
                    break
        except (EOFError):
            pass


        # cap.release()
        cv2.destroyAllWindows()
```