

Report 3: Convert Color to GrayScale Image by Cuda

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1 Progarmming Steps

- First thing: define grayScale function following slide example.
- Malloc space for cuda dev input and dev output
- Mem copy input buffer to dev input
- run grayScale function
- copy dev output to output
- free cuda malloc

2 Result

2.1 Result in console

```
USTH ICT Master 2018, Advanced Programming for HPC.  
Warming up...  
Starting labwork 3  
labwork 3 ellapsed 144.3ms
```

2.2 Result Image



Figure 1: Eiffel Image