Image Processing HW3+

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Programing language: C++

OpenCV version (if needed): OpenCV3

Develop environment: Visual Studio 2015

1. Program flow

每一張圖的運算寫成一個function並在main裡呼叫，若運算後的圖灰階值大於255或小於0 則用(2.6-10)和(2.6-11)的公式調整灰階至[0,255]，因為原圖的邊緣是黑色，故運算後的圖的邊緣直接設0，並從扣掉邊緣的圖開始運算。

1. Result and Analysis
   1. Fig. 3.43(b)
      1. Please attach your result image here.



* + 1. Please explain the difference, if any, between your result and the corresponding result in Fig. 3.43(b).

與原圖一樣。

* 1. Fig. 3.43(c)
     1. Please attach your result image here.
     2. Please explain the difference, if any, between your result and the corresponding result in Fig. 3.43(c).

銳化效果與原圖差不多，不同的是能隱約看出身體的輪廓。

* 1. Fig. 3.43(d)
     1. Please attach your result image here.



* + 1. Please explain the difference, if any, between your result and the corresponding result in Fig. 3.43(d).

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* 1. Fig. 3.43(e)
     1. Please attach your result image here.



* + 1. Please explain the difference, if any, between your result and the corresponding result in Fig. 3.43(e).

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* 1. Fig. 3.43(f)
     1. Please attach your result image here.



* + 1. Please explain the difference, if any, between your result and the corresponding result in Fig. 3.43(f).

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* 1. Fig. 3.43(g)
     1. Please attach your result image here.



* + 1. Please explain the difference, if any, between your result and the corresponding result in Fig. 3.43(g).

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* 1. Fig. 3.43(h)
     1. Please attach your result image here.



* + 1. Please explain the difference, if any, between your result and the corresponding result in Fig. 3.43(h).

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