**Report 02: Combining spatial enhancement methods**

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*[Problem 02]*

*Implement the image enhancement task of Section 3.7 (Fig 3.43) (Section 3.8, Fig. 3.46 in our slides). The image to be enhanced is skeleton\_orig.tif. You should implement all steps in Figure 3.43. (You are encouraged to implement all functions by yourself, attempting not to directly use Matlab functions such as imfilter or fspecial.)*

[Solve]

Program:

problem2.m.

Input:

skeleton\_orig.tif

Output:

Output/Combining spatial enhancement methods.jpg.

middle-output have the middle process

Transformation Function:

(1) Laplace Filter:

.

(2) 3×3 Soble Filter X:

.

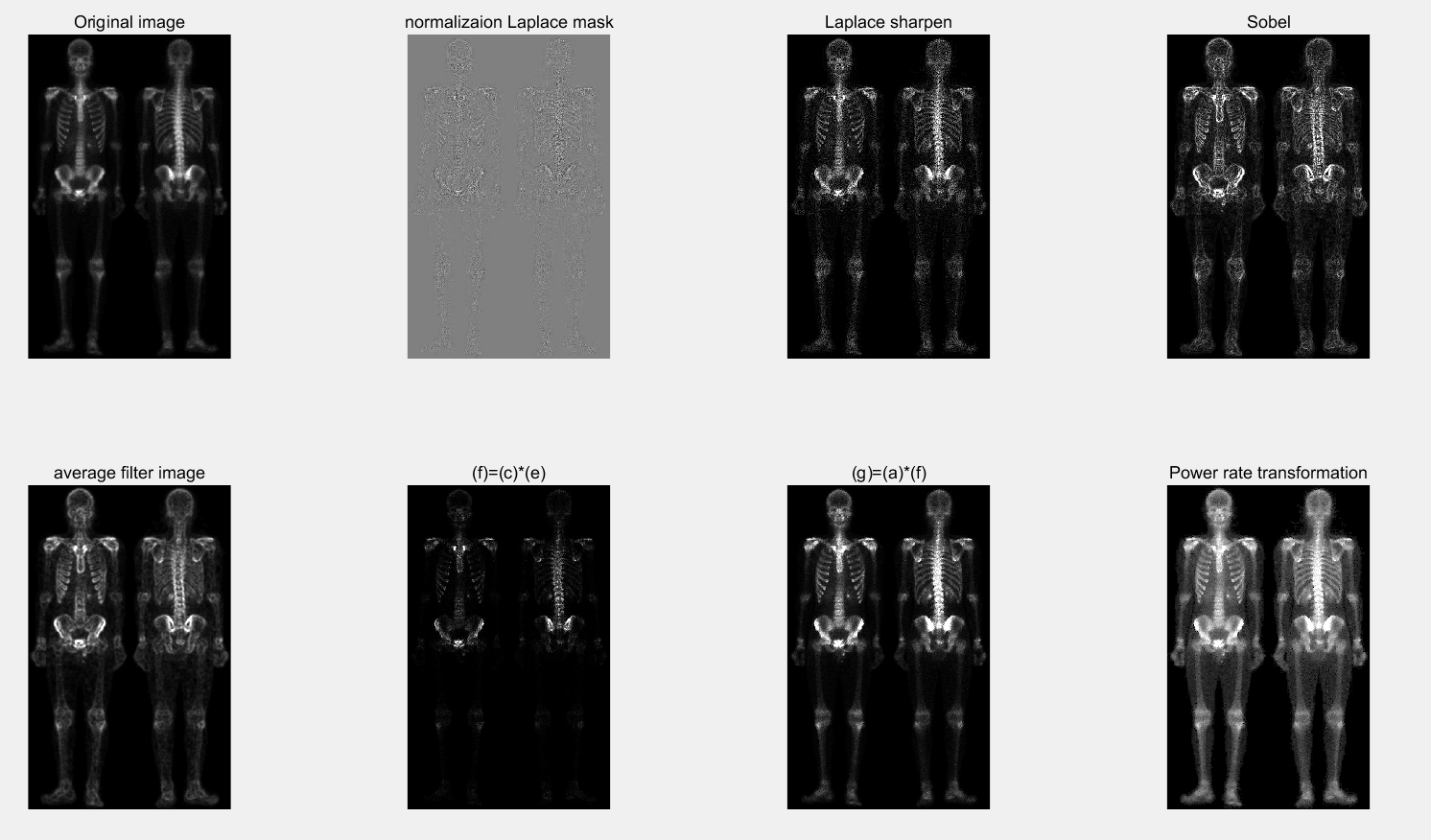
3×3 Soble Filter Y:

.

(3) Gama Gransformation: .

(4) 5×5 Mean Filter：

.



Figure