

FOCUS SERIES

Series Editor Imad Saleh

Eyestrain Reduction in Stereoscopy

Laure Leroy

Color section

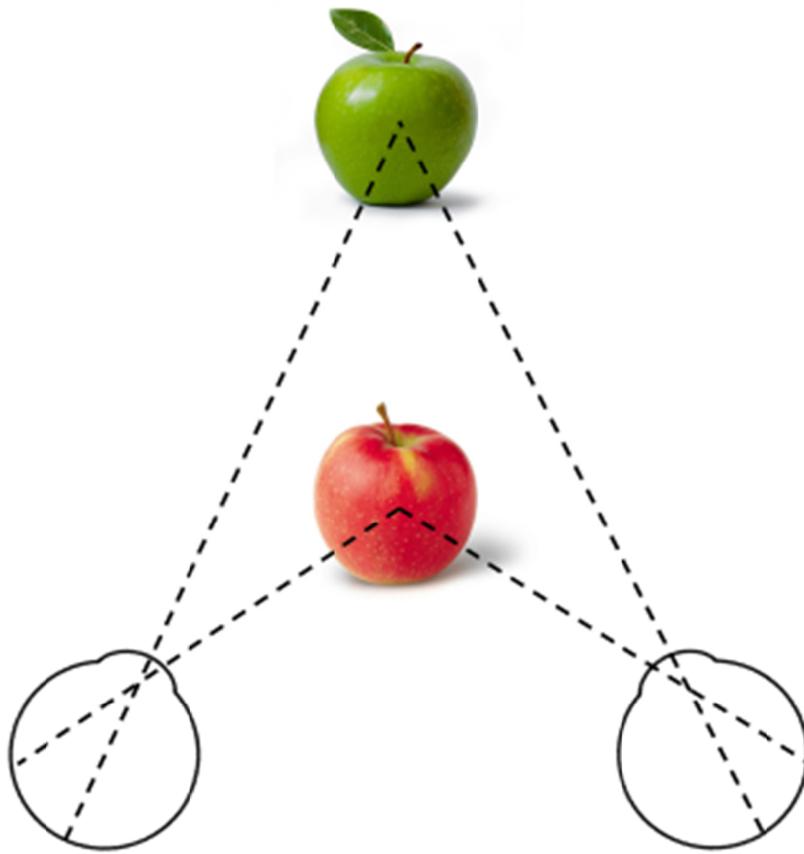


Figure 1.11. When we focus on the green apple, the projections of the image of the red apple (which is nearer) form a more obtuse angle than the projections of the image of the green apple.



Ease of accommodation

=

Speed with which accommodation
moves from the clear green apple to
the clear red apple

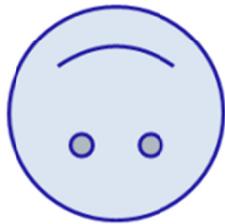


Figure 4.1. *Ease of accommodation.*

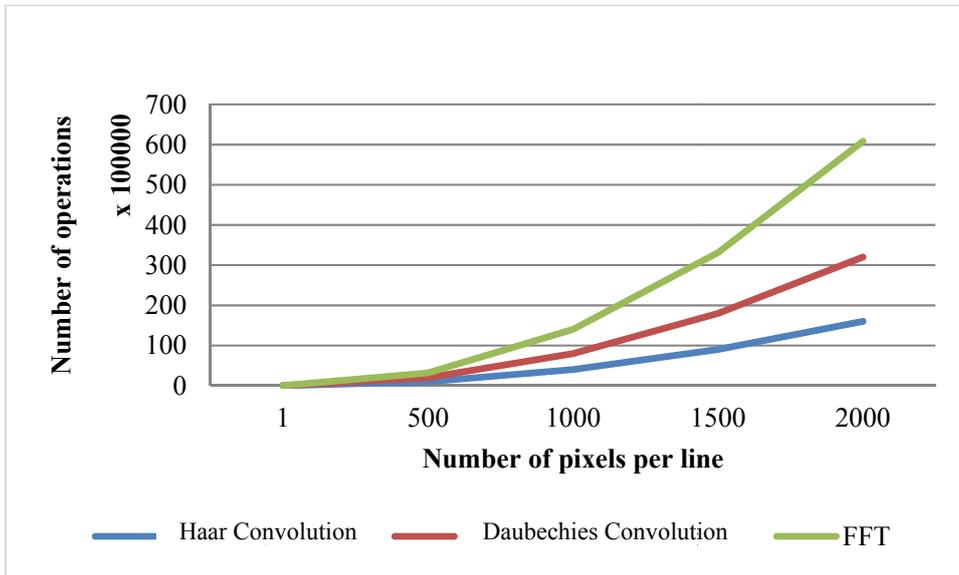


Figure 6.15. Theoretical comparison between the number of operations for a FFT product and for a convolution.

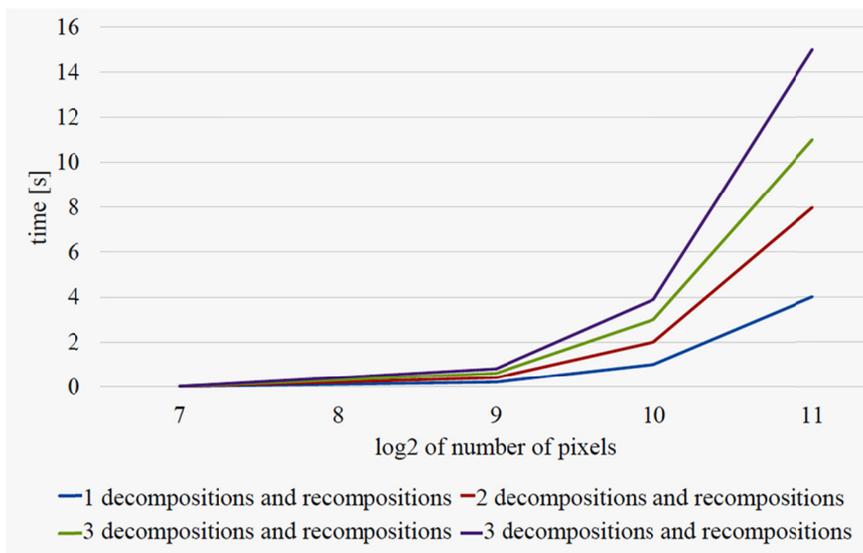


Figure 6.16. Decomposition and recombination time for the convolution.

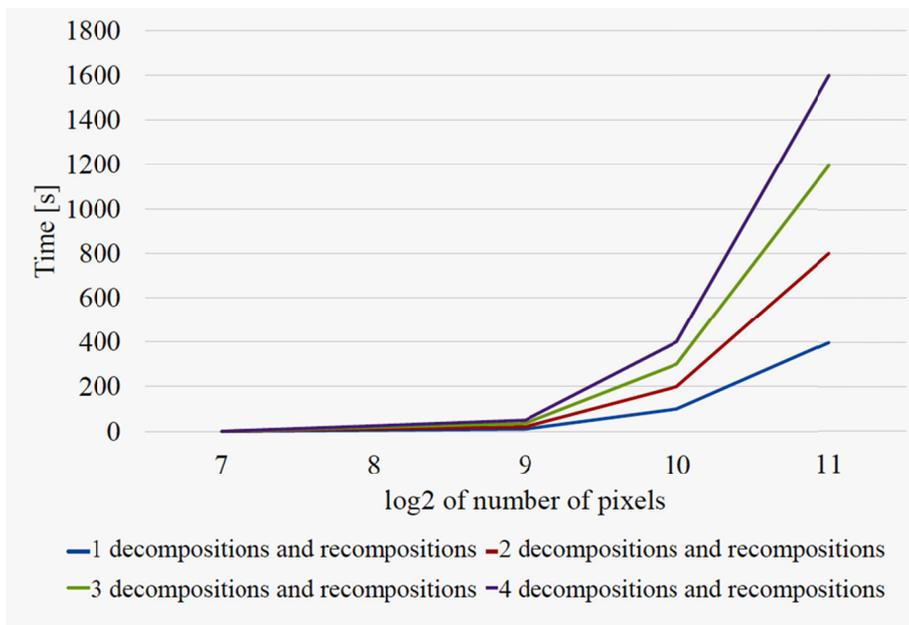


Figure 6.17. *Decomposition and recomposition time with the Fourier transform.*

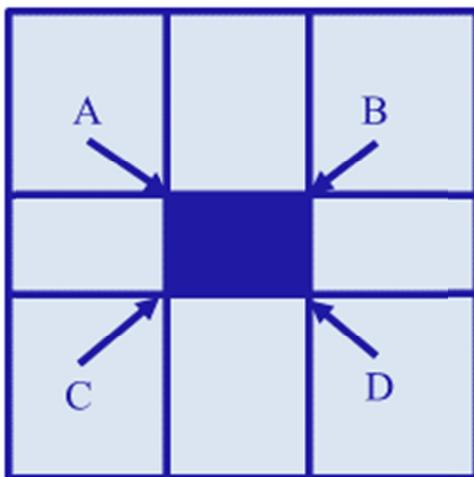


Figure 6.20. *Representation of the points to be summed for BOX FILTER.*

1	2	3	4
2	7	9	11
3	9	12	18
4	11	15	22

Figure 6.21. Representation of the summation process in BOX FILTER 1.

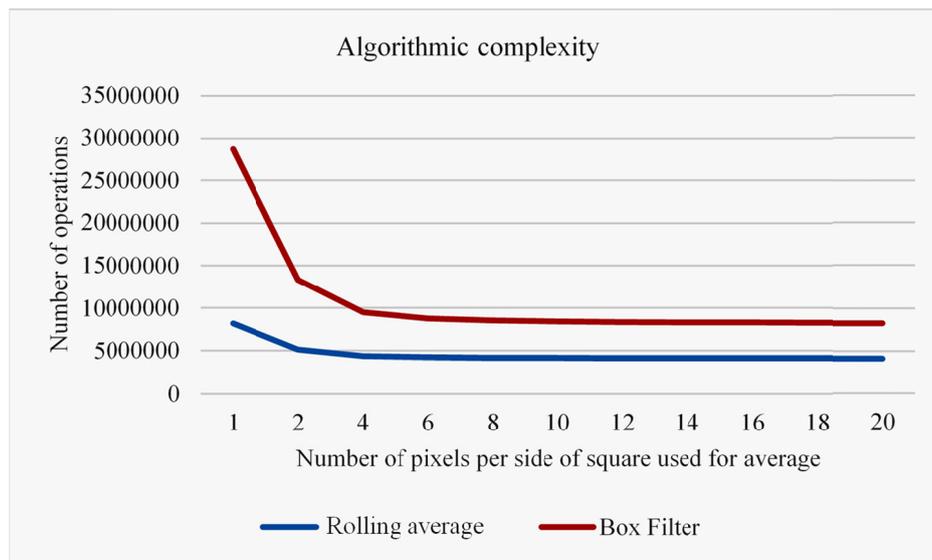


Figure 6.36. Complexity of BOX FILTER and averages in relation to size of calculation square for a $1,024 \times 1,024$ image.

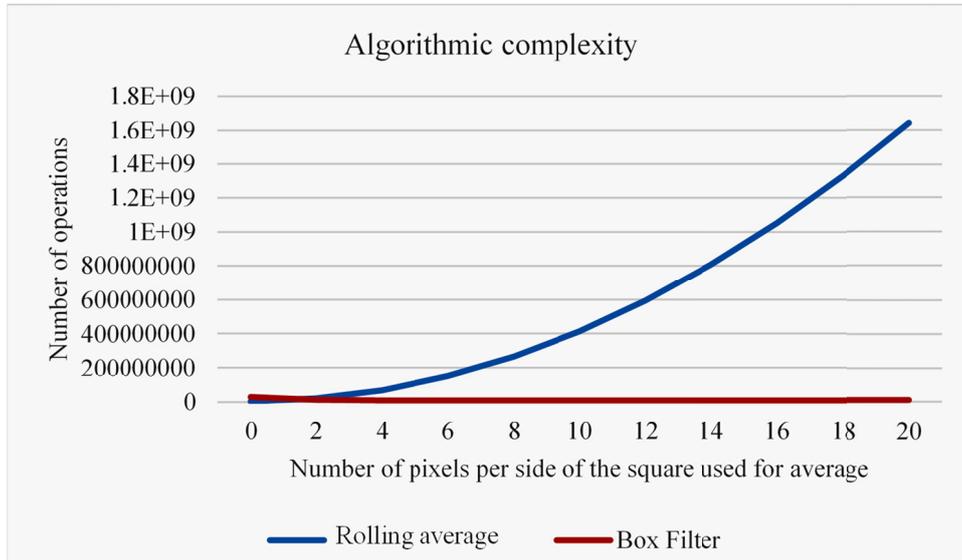


Figure 6.37. Complexity for rolling BOX FILTER and rolling averages as a function of the size of the calculation square for a $1,024 \times 1,024$ image.

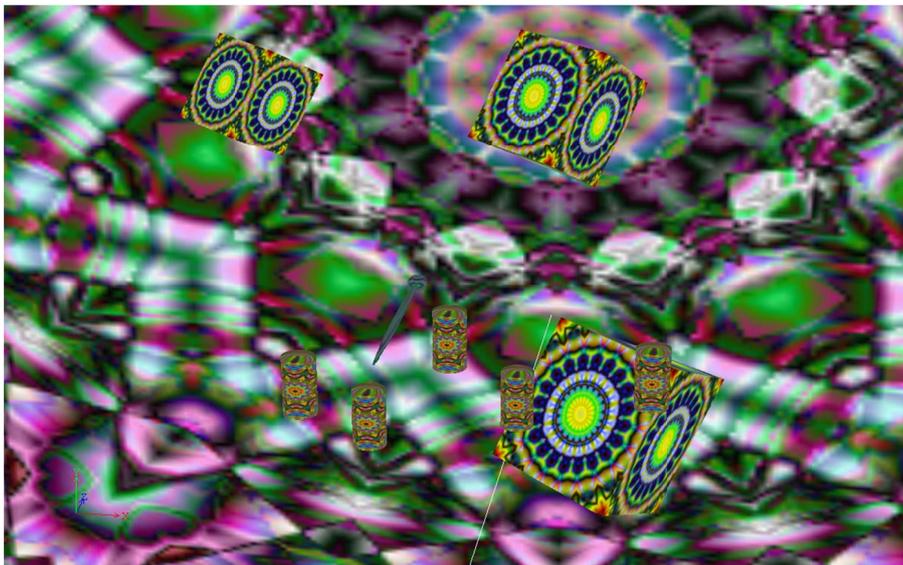


Figure 6.43. The virtual world.



Figure 6.45. Subject performing the non-blurred task.