Cours n°4/6 - C. Petitjean Traitement d'images

- □ Plan du cours :
 - Introduction
 - Catégorisation de l'image
 - Acquisition et Visualisation
 - Opérations basées sur l'histogramme
 - Extraction de caractéristiques
 - Morphologie mathématique
 - Segmentation

Caroline.Petitjean@univ-rouen.fr

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IV-Extraction de caractéristiques

- □ Détection de contours
- □ Rehaussement de contours
- ☐ Transformée de Fourier

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Détection de contours

☐ Rappel de filtrage passe-bas par convolution d'un masque

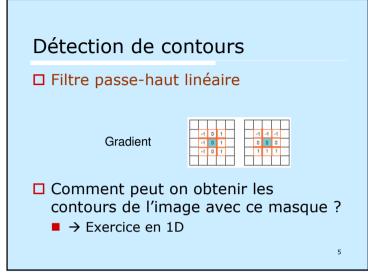
Somme locale de pixels

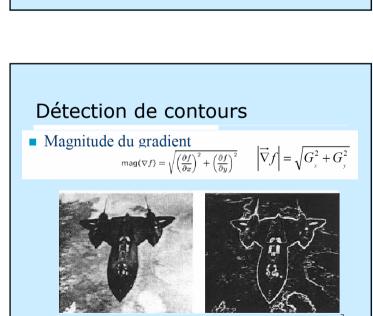


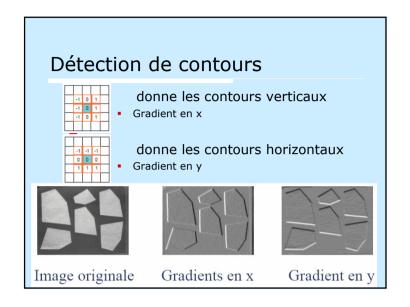
Détection de contours

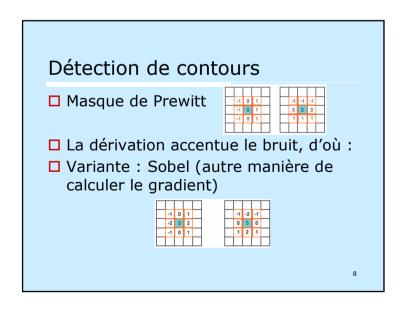
- □ Régions homogènes → BF de l'image
- ☐ Filtre passe-bas
 - Somme de pixels
- □ Contours → HF de l'image
- ☐ Filtre passe-haut
 - Différence de pixels

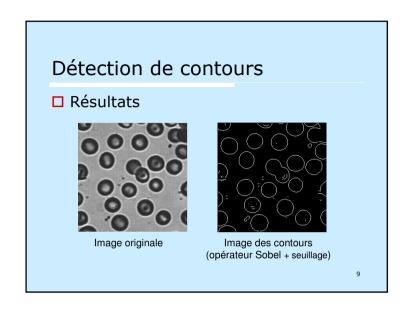
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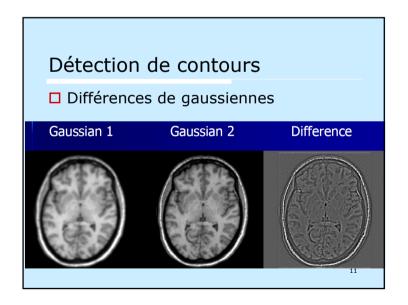


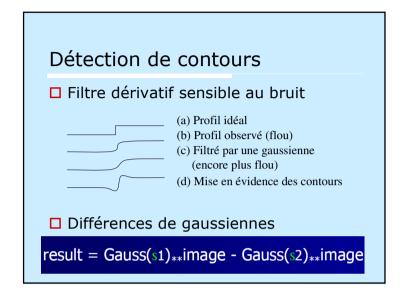


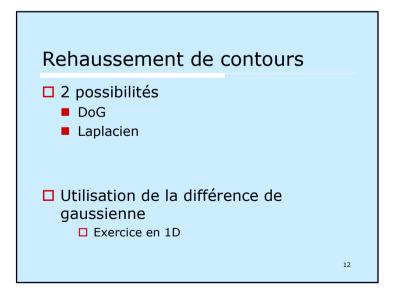


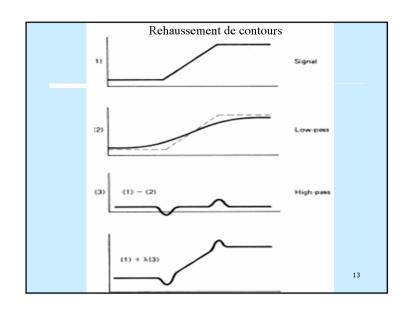


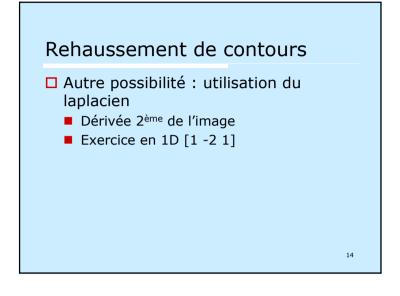


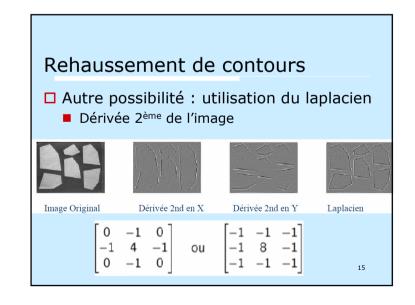


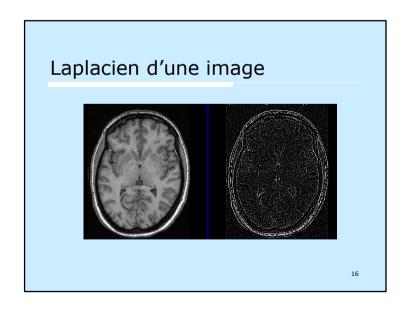


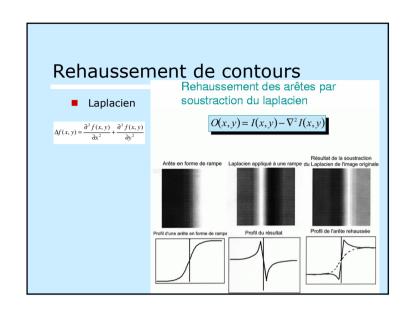


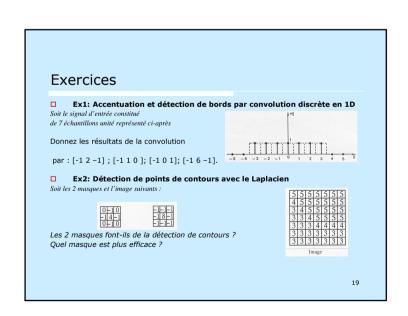


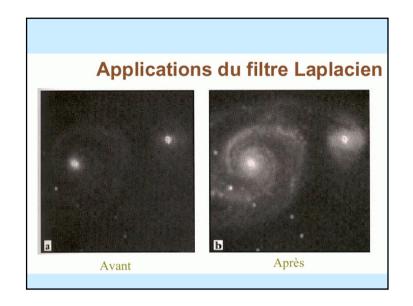


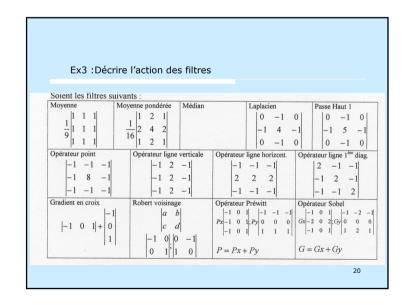


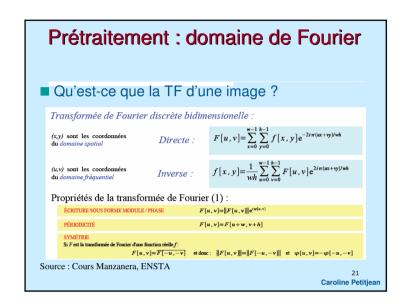


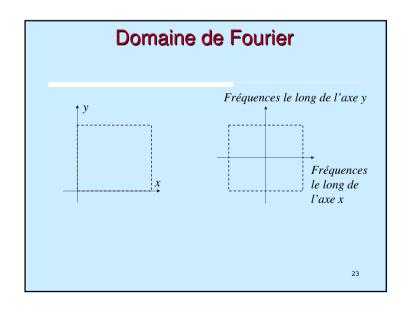


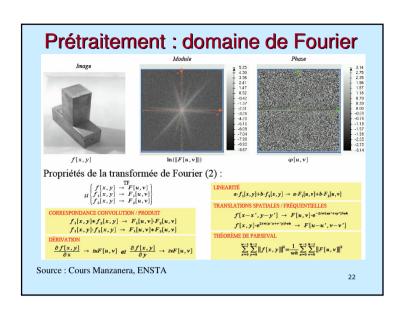


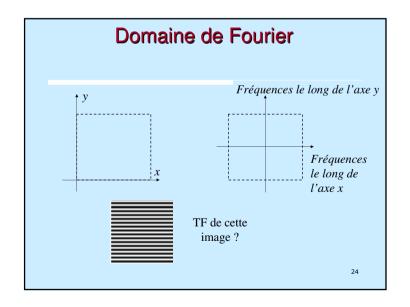


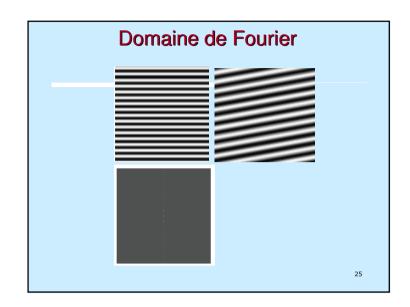


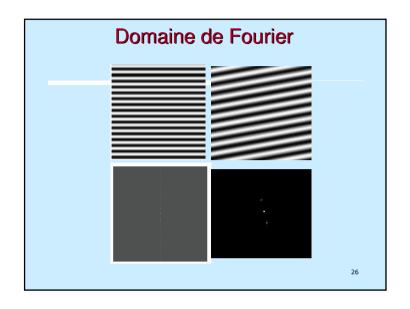


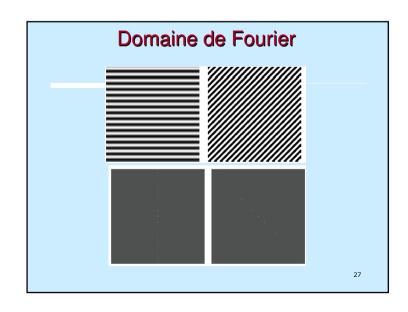


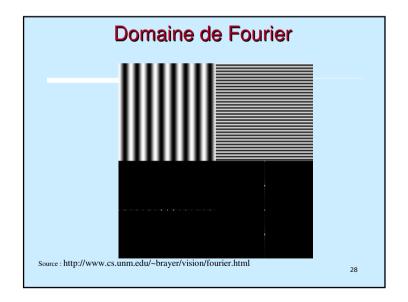


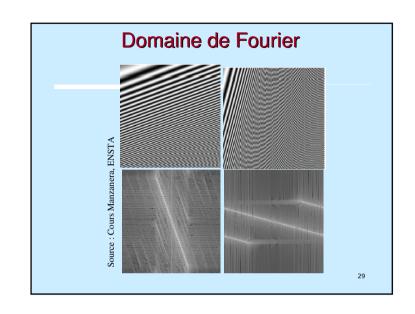


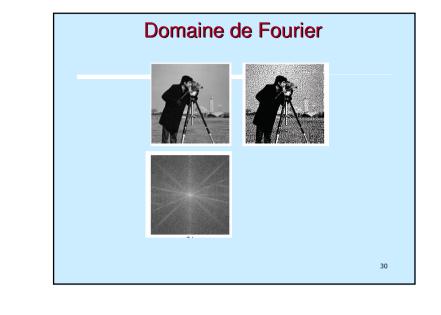


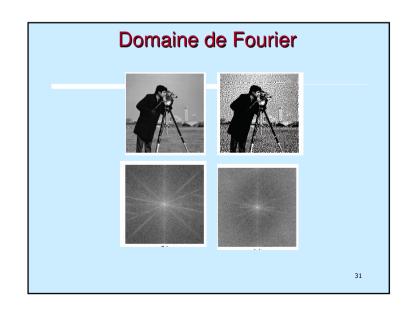


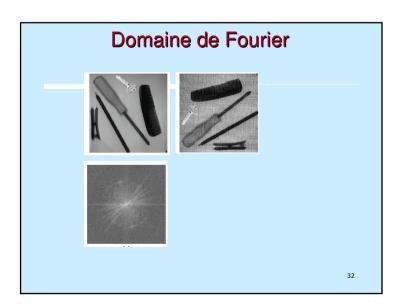


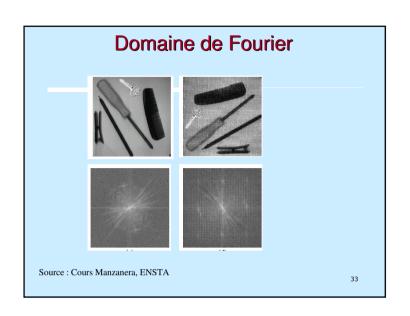


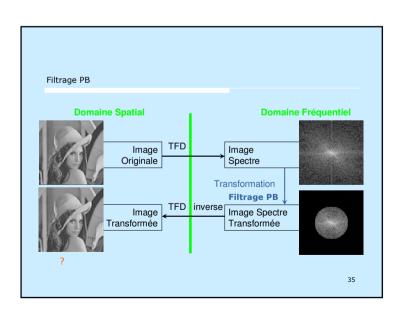


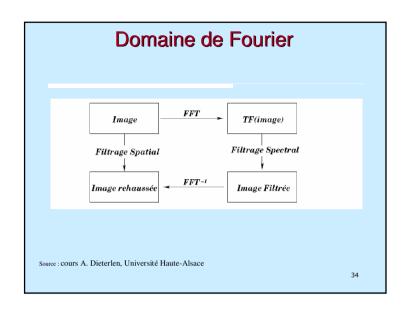


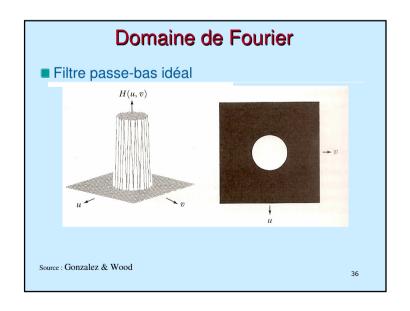


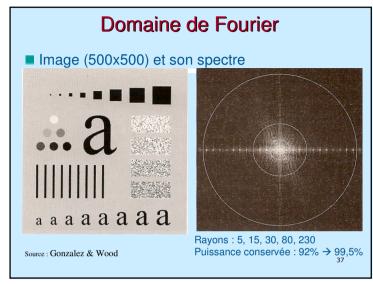














Source : http://www.cs.unm.edu/~brayer/vision/fourier.html

