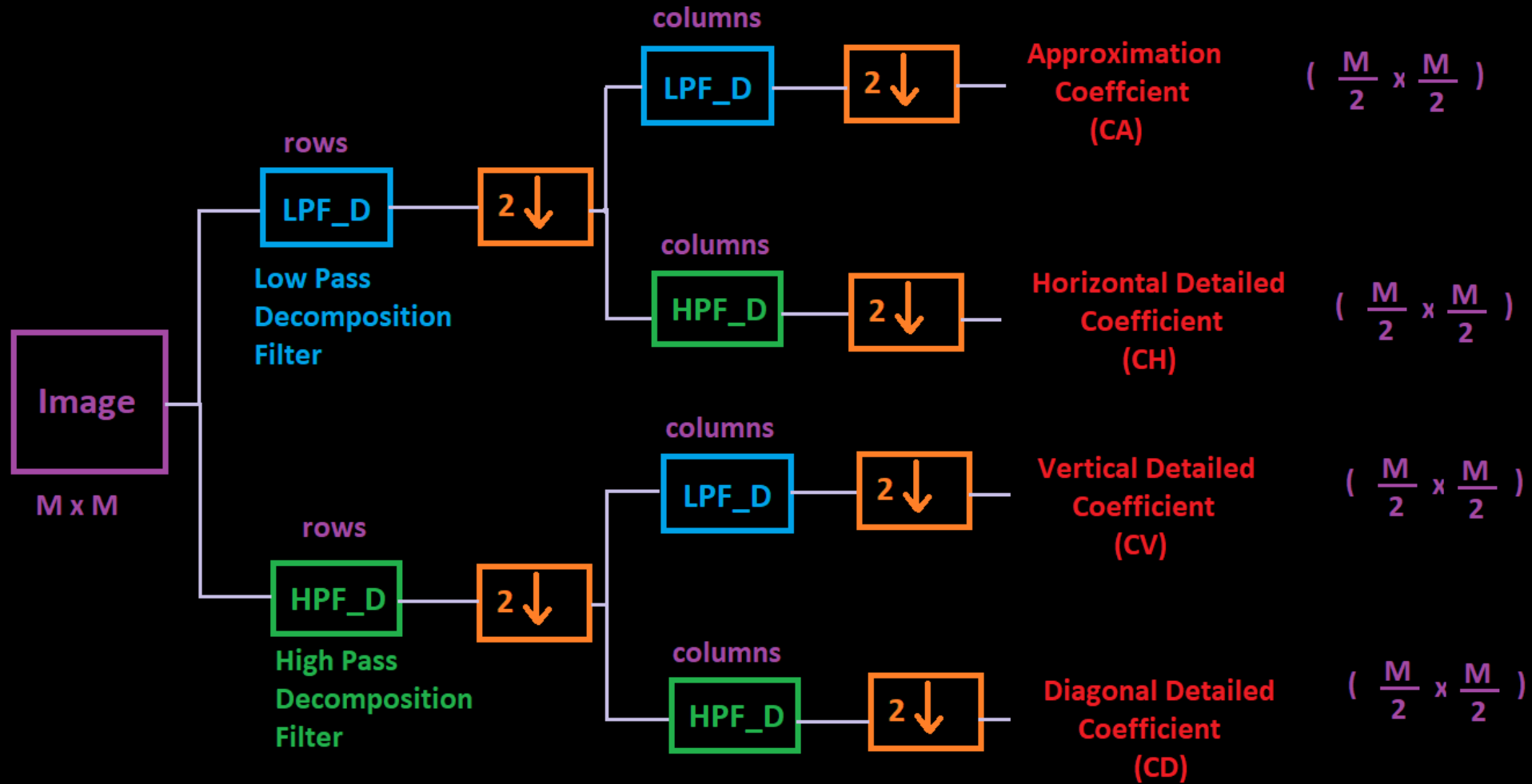


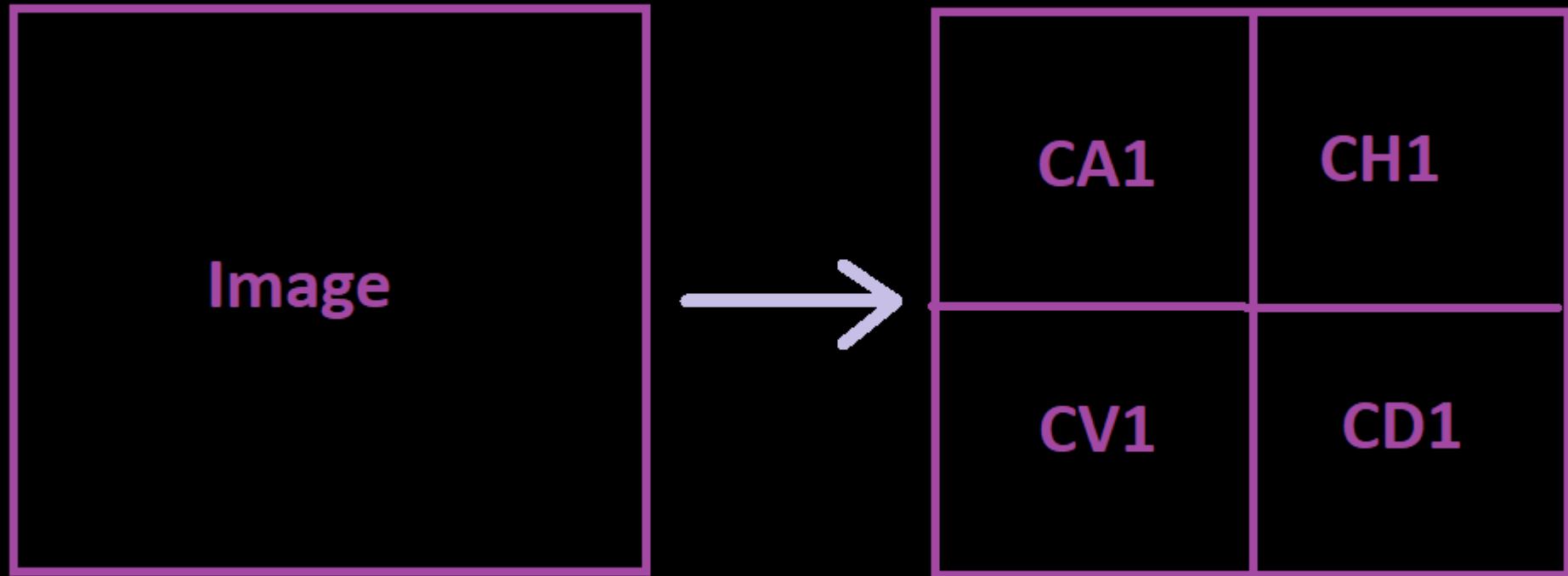
Wavelet Transform for Images

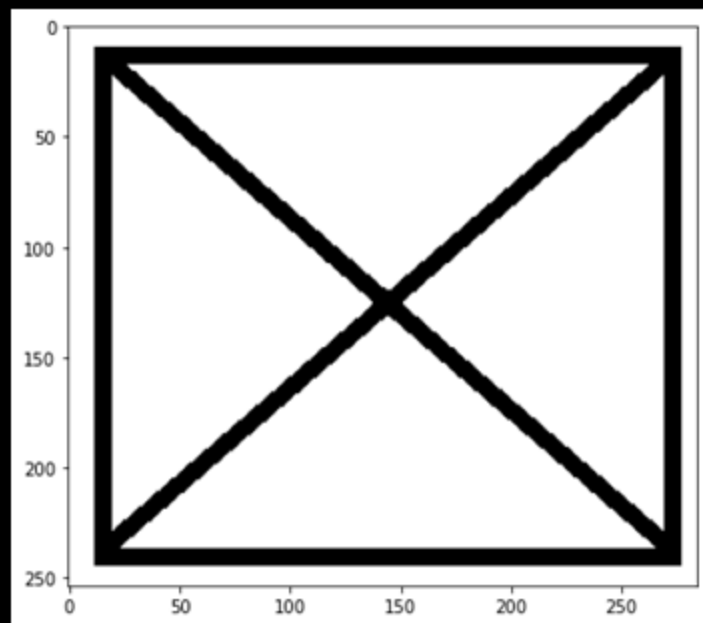
Topics to be covered

- Single Level Decomposition and Reconstruction.
- Multilevel Decomposition and Reconstruction.
- Image Denoising Using Wavelet Transform.

Single Level Decomposition and Reconstruction.



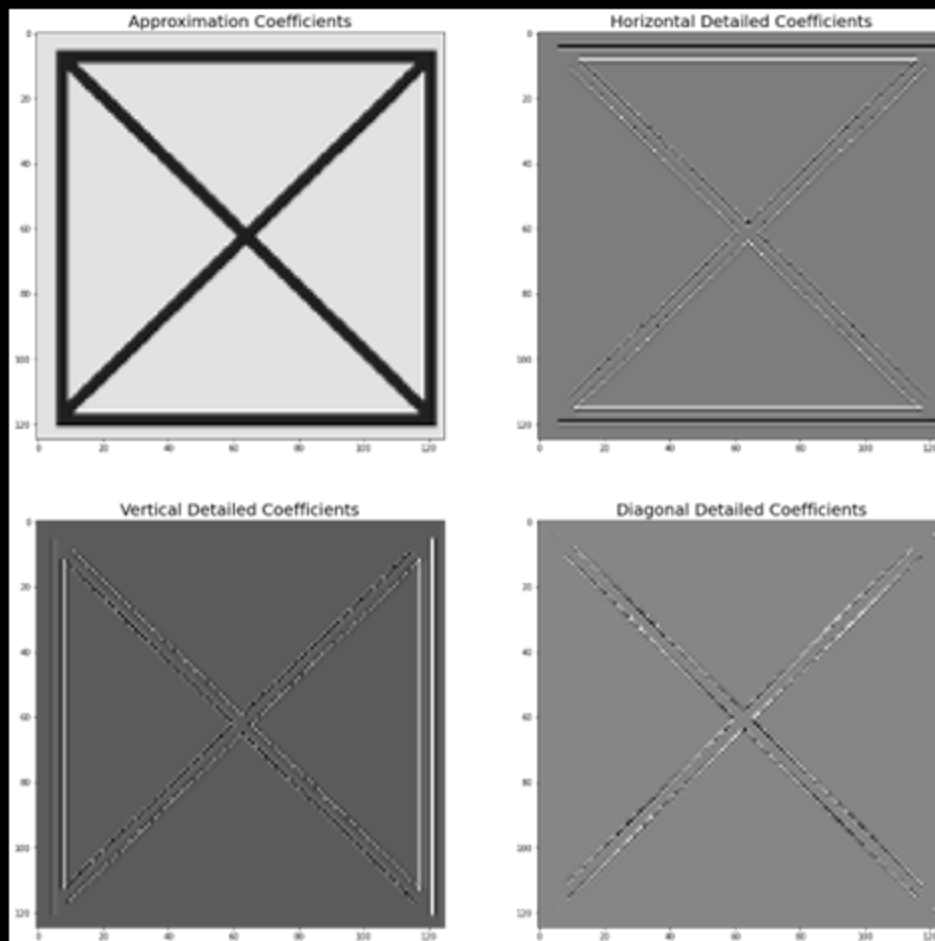




Image

CA

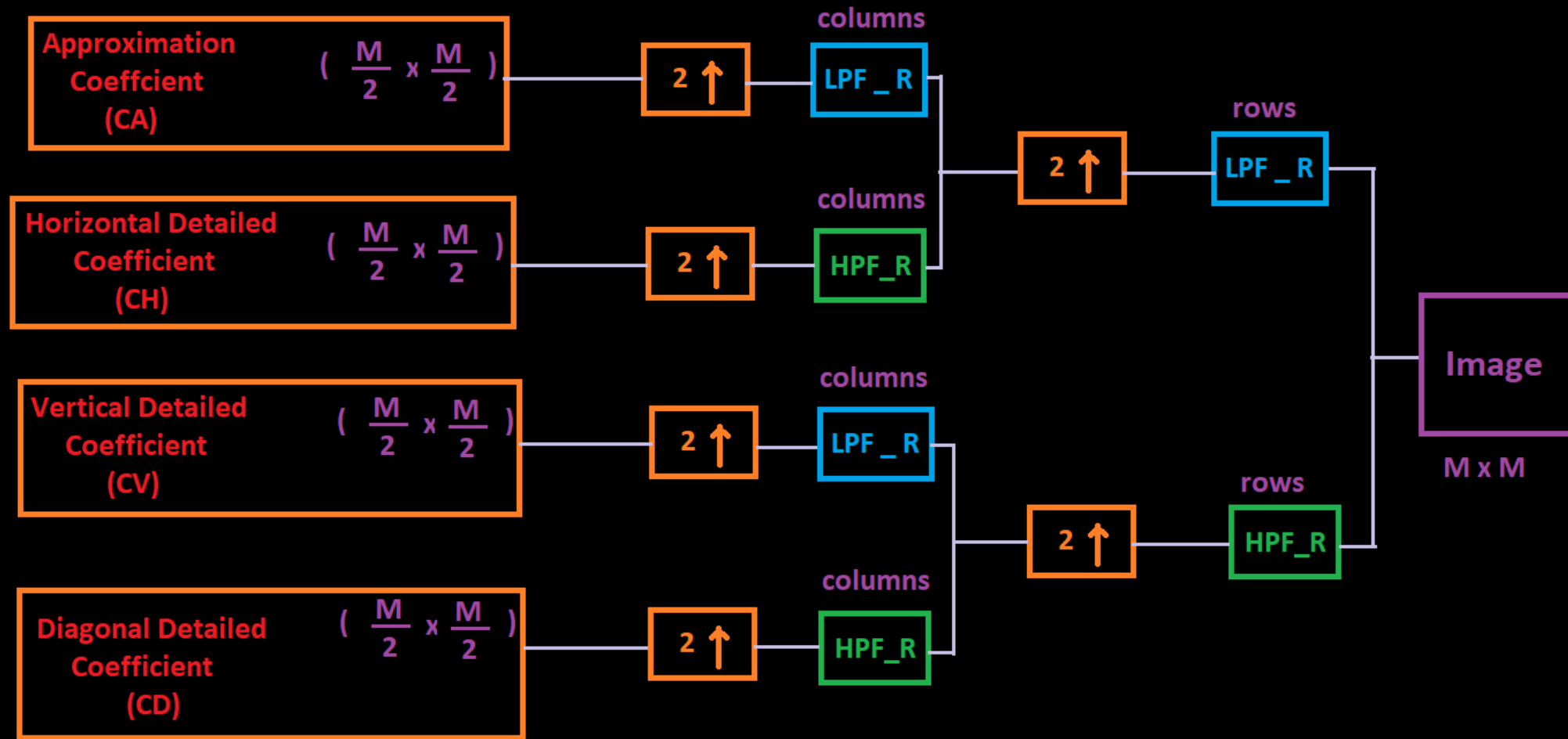
CV



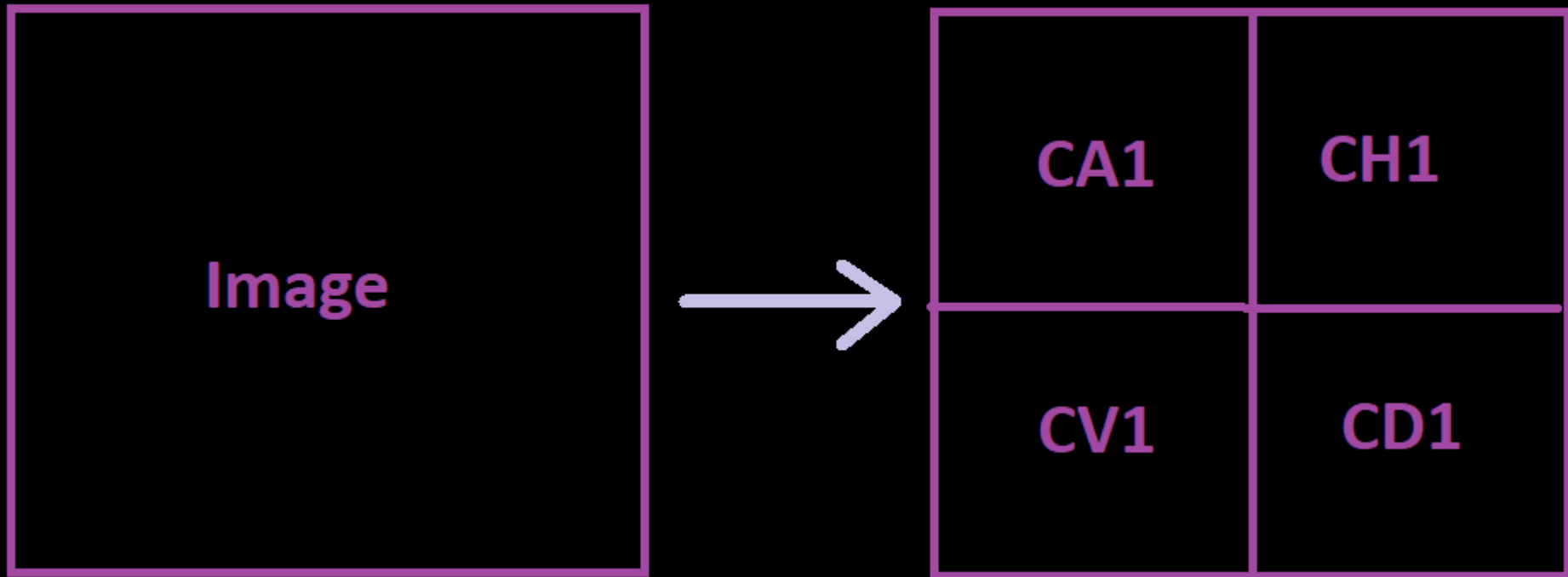
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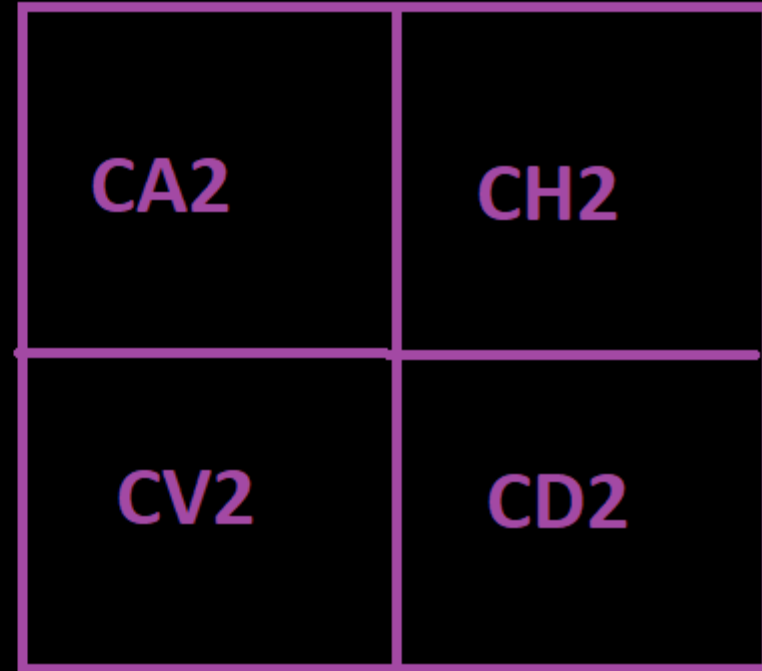
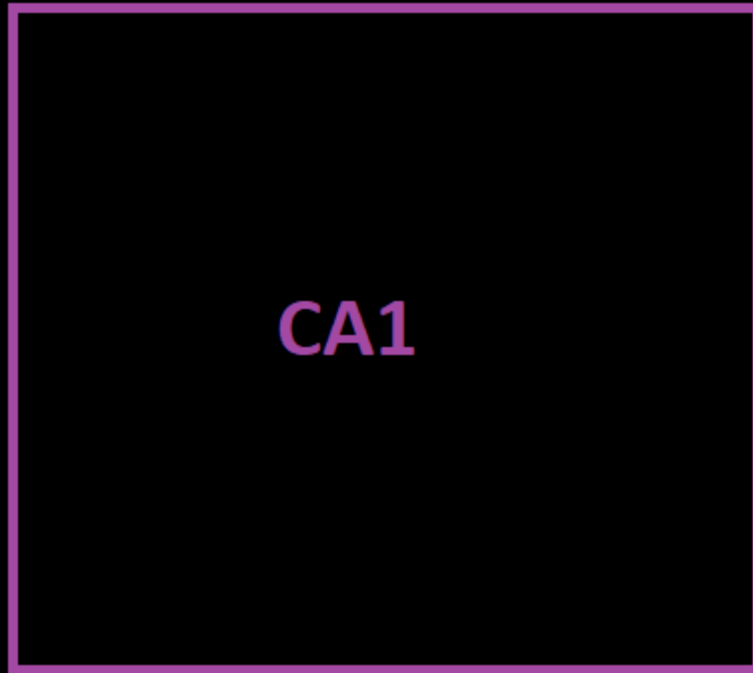
CD

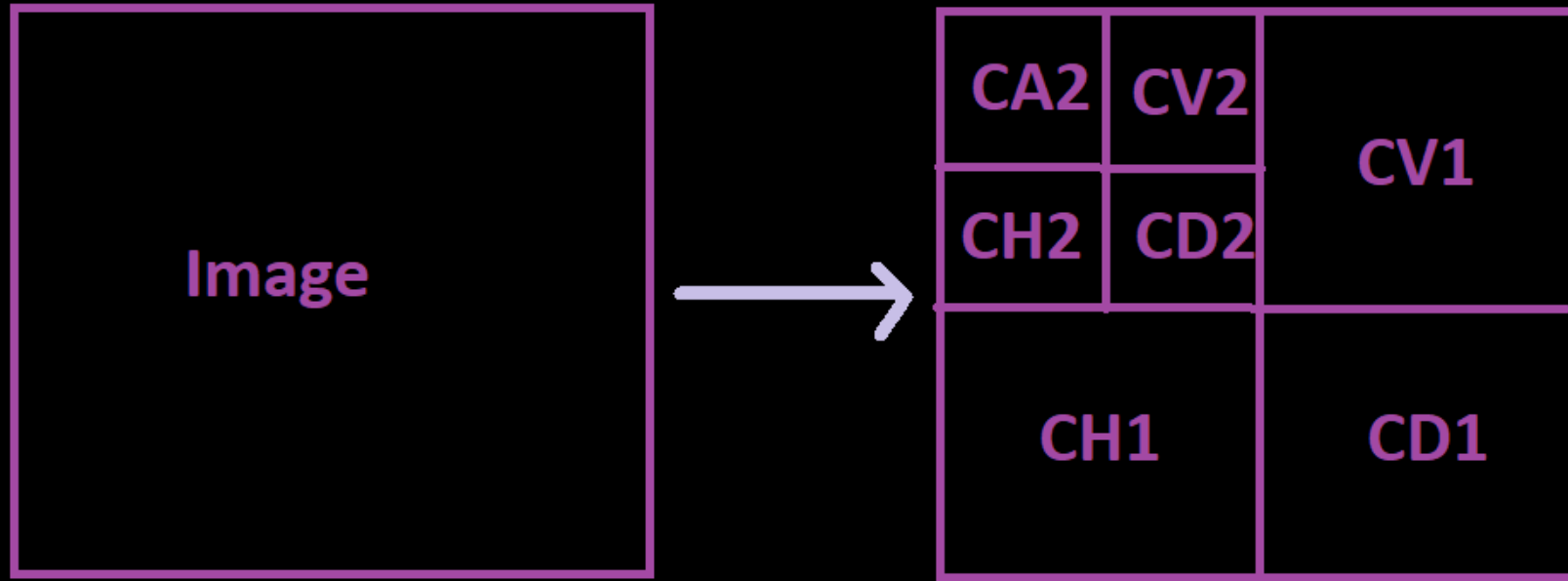
Single Level Reconstruction



Multilevel Decomposition and Reconstruction







All Wavelet Coefficients : Level 2

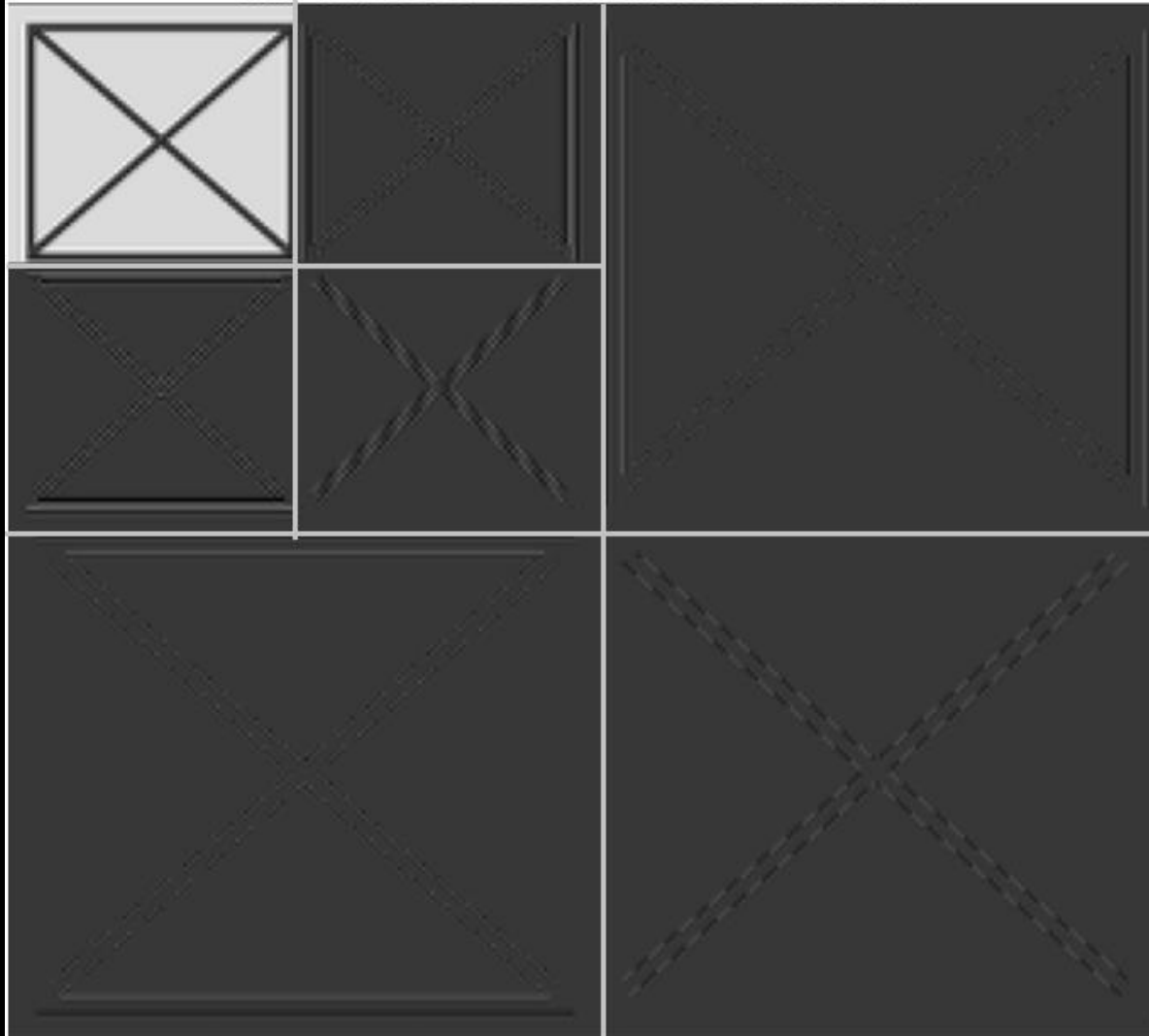
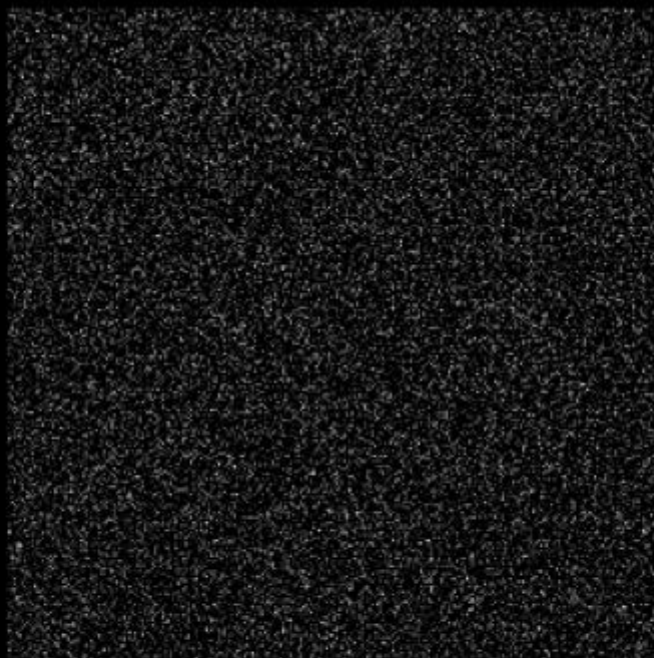


Image Denoising Using Wavelet Transform



Image

+



Noise

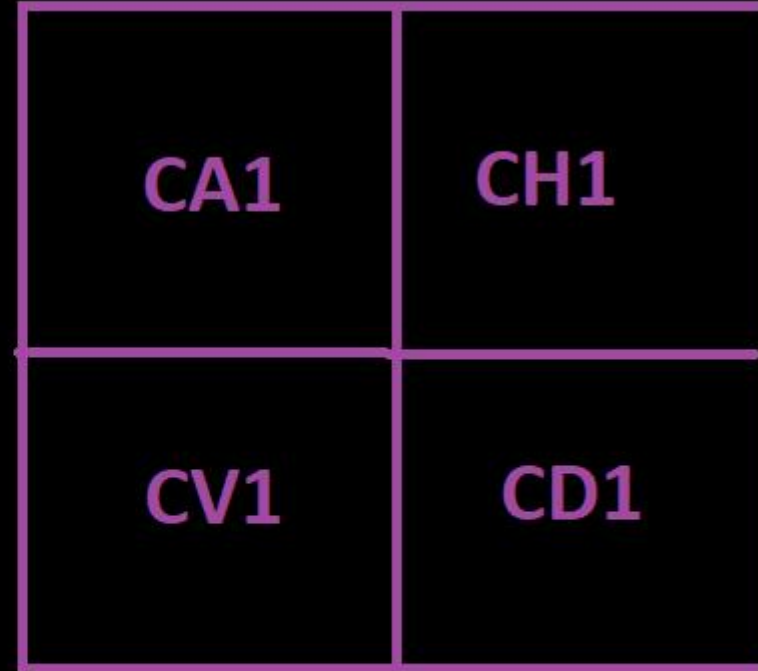
=



Noisy Image



Noisy Image



**Single Level
Decomposition**



Original Image



Noisy Image



Denoised Image

