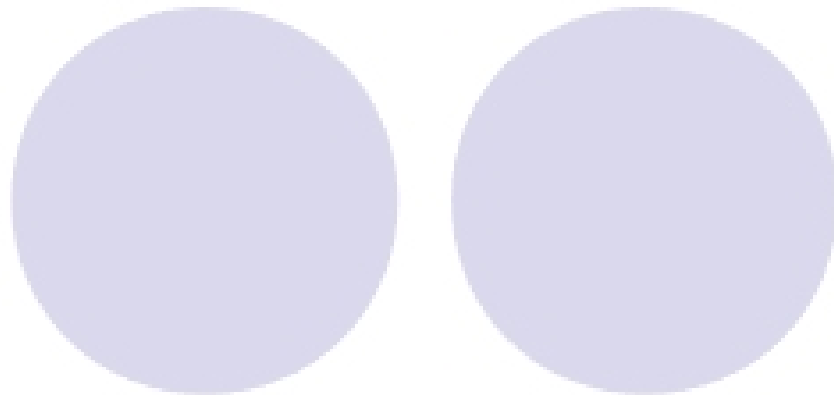
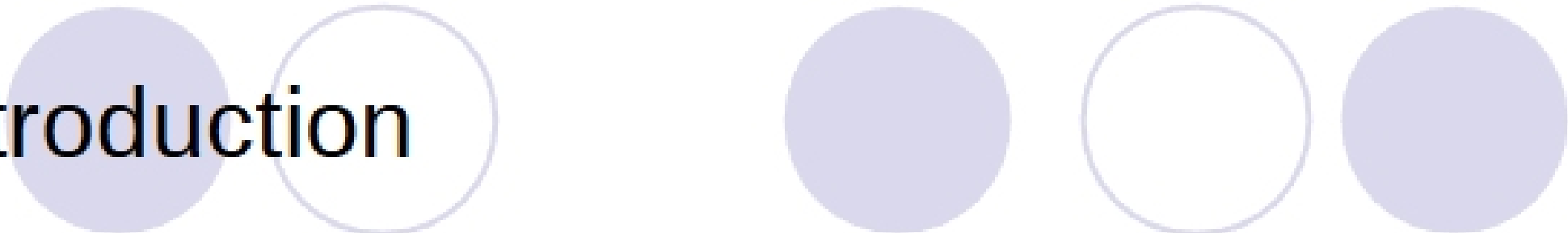




Image Denoising using Wavelet Thresholding Techniques

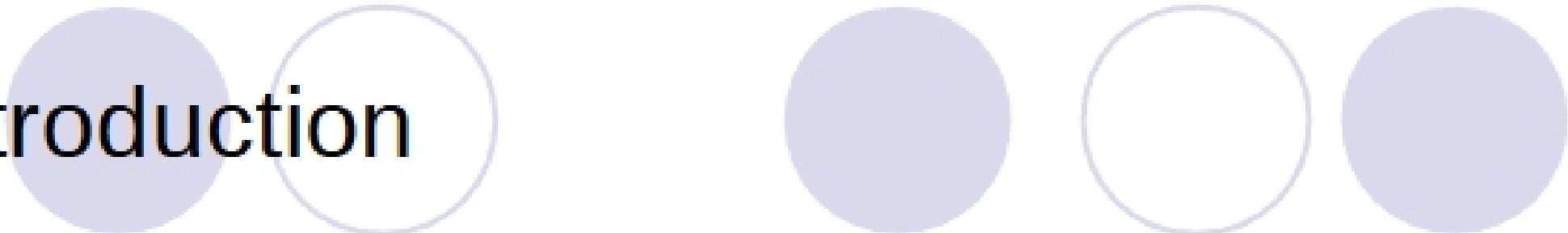


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Introduction

- Image denoising: Removing unwanted noise in order to restore the original image.
- Wavelet transform provides us with one of the methods for image denoising.
- Wavelet transform, due to its excellent localization property, has rapidly become an indispensable signal and image processing tool for a variety of applications, including denoising and compression.
- Wavelet denoising attempts to remove the noise present in the signal while preserving the signal characteristics, regardless of its frequency content.



Introduction

- It involves three steps:
 - a linear forward wavelet transform
 - nonlinear thresholding step and
 - a linear inverse wavelet transform
- Methods Used
 - Universal Thresholding
 - Visu Shrink
 - Sure Shrink
 - Bayes Shrink