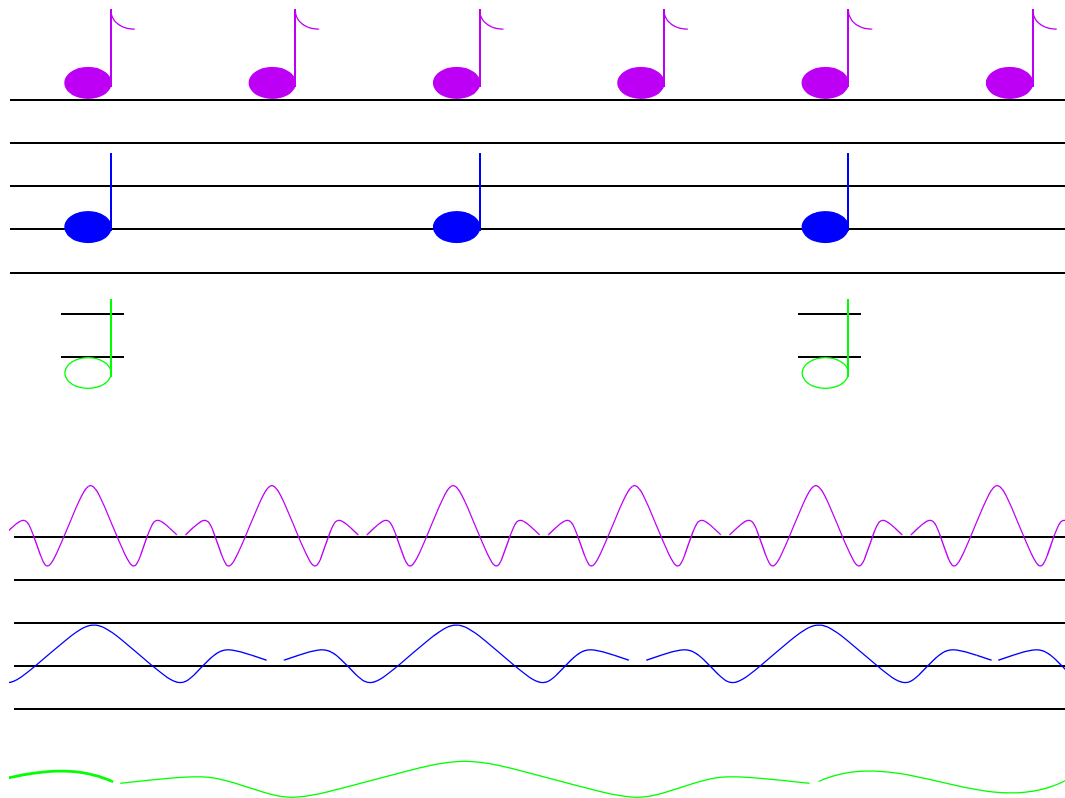


# Wavelets and Applications

## State of the Art



**Martin Vetterli, Jelena Kovacevic and Vivek K Goyal**

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# Outline of the tutorial

## Core material

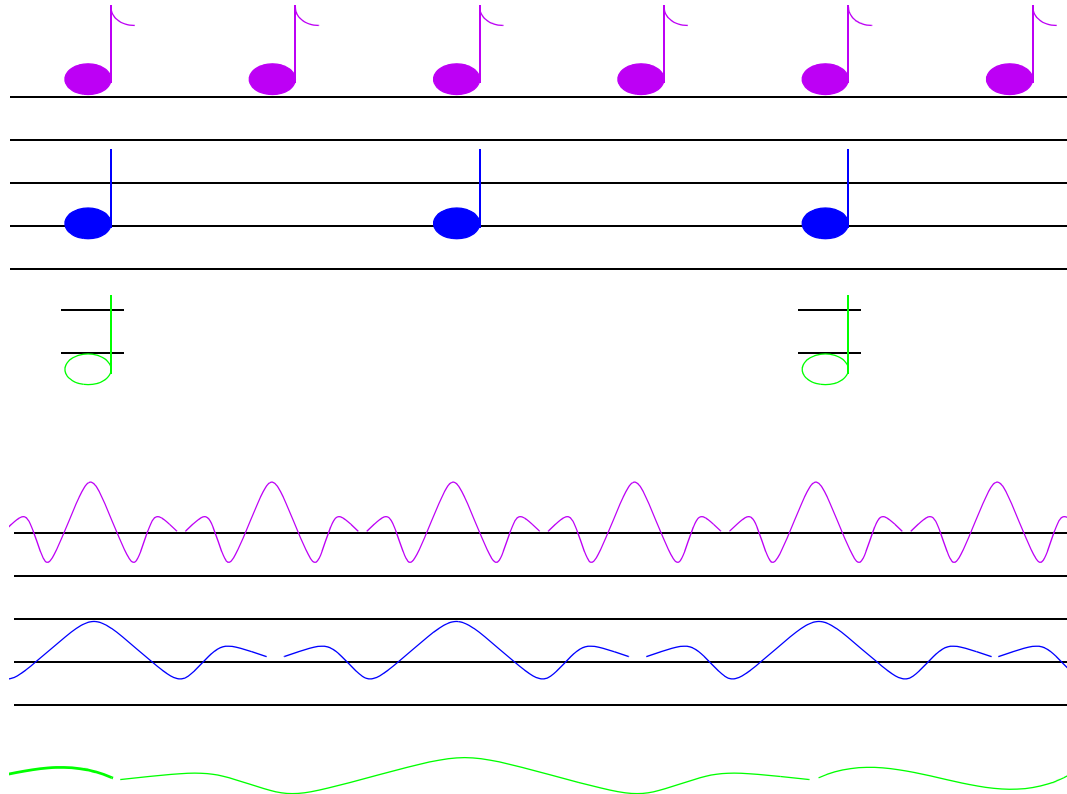
$1^{30}$	-	$2^{15}$	Introduction and motivation
$2^{15}$	-	$3^{00}$	Discrete-time bases and filter banks
$3^{00}$	-	$3^{30}$	Break
$3^{30}$	-	$4^{15}$	Series expansions using wavelets and modulated bases
$4^{15}$	-	$5^{15}$	Application in compression
$5^{15}$	-	$5^{30}$	Evaluation

## Supplemental material

- Fundamentals of signal decompositions
- Continuous wavelet and short-time Fourier transforms
- Algorithms and complexity
- Applications (communications, denoising, graphics)

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**Supplemental material**