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Introduction

- This is the template for UH slides, which includes:
 - Table: Check table 1.
 - Figure: Check fig. 1.
 - Block and Equation: Check (1-1).
 - **Theorem**: Check theorem 1.
 - Algorithm: Check algorithm 1.
 - Slice transition: Check Subsection 2.6.
- And here we would like to test the references: [1] [2] [3].
- This is the test for multi-references: [1, 2, 3]

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Table test

■ Test table, which is shown in table 1.

Table: Parameters of Daubechies's filter.

n	h[n]	g[n]
0	0.3327	-0.0352
1	0.8069	-0.0854
2	0.4599	0.1350
3	-0.1350	0.4599
4	-0.0854	-0.8069
5	0.0352	0.3327

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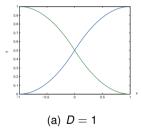
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Figure test

■ Test inner subgraphs, i.e. fig. 1(a) and fig. 1(b).



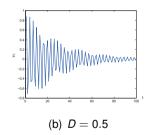


Figure: Test graphs.

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Equation test

■ Test blocked equations, i.e. (1-1), (1-2).

SVM loss function

Here we show a simple example of subequations in (1-1):

$$\frac{\partial \mathcal{L}(\mathbf{w}, b)}{\partial \mathbf{w}} = \mathbf{w} + C \sum_{i} \frac{\partial \ell_{i}}{\partial \mathbf{w}}, \tag{1-1}$$

$$\frac{\partial \mathcal{L}(\mathbf{w}, b)}{\partial b} = C \sum_{i} \frac{\partial \ell_{i}}{\partial b}, \tag{1-2}$$

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■ Test theorems, i.e. theorem 1 and theorem 2.

Theorem (Example Theorem 1)

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi.

Theorem (Example Theorem 2)

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi.

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Algorithm test

Test algorithm, i.e. algorithm 1.

Algorithm 1 DWT Algorithm

Input: Sequence **x** in time domain

Output: Sequence $\hat{\mathbf{x}}$ in wavelet domain

- 1: $N = |\log_2(\operatorname{length}(\mathbf{x}))|$;
- 2: $\mathbf{c}_{N} = \mathbf{x}, \ \hat{\mathbf{x}} = \emptyset$:
- 3. **for** *i* from 1 to *N* **do**
- $\mathbf{c}_{N-i}, \, \mathbf{d}_{N-i} = \text{analysis filter}(\mathbf{c}_{N-i+1});$
- insert \mathbf{d}_{N-i} at the beginning of $\hat{\mathbf{x}}$.
- 6: end for

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Slice transition test

■ This is transition test, let's begin:

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Slice transition test

- This is transition test, let's begin:
 - This is the first item.

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Slice transition test

- This is transition test, let's begin:
 - This is the first item.
 - This is the second item.

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Slice transition test

- This is transition test, let's begin:
 - This is the first item.
 - This is the second item.
 - This is the third item.

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Slice transition test

- This is transition test, let's begin:
 - This is the first item.
 - This is the second item.
 - This is the third item.
- We will show 3 items simultaneously.

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Slice transition test

- This is transition test, let's begin:
 - This is the first item.
 - This is the second item.
 - This is the third item.
- We will show 3 items simultaneously.
 - This is the first item.
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 - This is the third item.

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Slice transition test

- This is transition test, let's begin:
 - This is the first item.
 - This is the second item.
 - This is the third item.
- We will show 3 items simultaneously.
 - This is the first item.
 - This is the second item.
 - This is the third item.

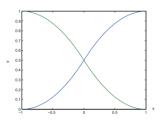


Figure: Test graph.

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Reference I



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J. Yang, Z. Wang, Z. Lin, S. Cohen, and T. Huang, "Coupled dictionary training for image super-resolution," *IEEE Transactions on Image Processing*, vol. 21, no. 8, pp. 3467–3478, Aug 2012.



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