Bare Demo of IEEERev.cls for IEEE Journals

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Abstract
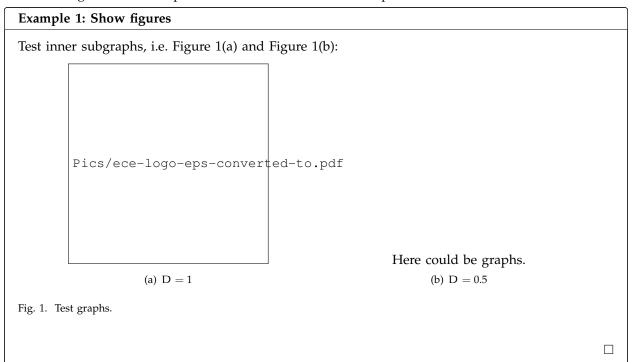
The abstract goes here.

Index Terms

IEEE, IEEEtran, journal, LaTeX, paper, template.

I. Show Homework

sadfasf, sdfdsf, sdf.

Test citations:

[1–3].

A. Show Floats

Test figures and example block which is shown in Example 1.

Example 1: Show figures

Test inner subgraphs, i.e. Figure 1(a) and Figure 1(b):

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Here could be graphs.

(a) D = 1   (b) D = 0.5

Fig. 1. Test graphs.

☐

Test subequations and the theorem block which is shown in Theorem 1.

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Theorem 1: Example Theorem

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

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

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

Test table, which is shown in Table I:

TABLE I
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

Test equations in (2):

$$I(\Omega) = \text{Re} \left\{ \frac{e^{-x}}{j\Omega} e^{j\Omega x} \Big|_0^1 + o\left(\frac{1}{\Omega}\right) \right\} \approx \text{Re} \left\{ \frac{e^{-x}}{j\Omega} e^{j\Omega x} \Big|_0^1 \right\}$$

$$= \text{Re} \left\{ \frac{e^{j\Omega - 1} - 1}{j\Omega} \right\} = \frac{1}{\Omega e} \cos\left(\Omega - \frac{\pi}{2}\right) = \frac{1}{\Omega e} \sin \Omega. \tag{2}$$

B. Show Algorithm

Test Algorithm in Algorithm 1:

Algorithm 1 DWT Algorithm

Input: Sequence $\mathbf{x}$ in time domain
Output: Sequence $\hat{\mathbf{x}}$ in wavelet domain
1: $N = \lfloor \log_2(\text{length}(\mathbf{x})) \rfloor$;
2: $\mathbf{c}_N = \mathbf{x}$, $\hat{\mathbf{x}} = \varnothing$;
3: **for** i from 1 to N **do**
4:    $\mathbf{c}_{N-i}$, $\mathbf{d}_{N-i} = $ analysis_filter($\mathbf{c}_{N-i+1}$);
5:    insert $\mathbf{d}_{N-i}$ at the beginning of $\hat{\mathbf{x}}$.
6: **end for**

Test codings:

APPENDIX A
PROOF OF THE FIRST ZONKLAR EQUATION

Appendix one text goes here.

APPENDIX B

Appendix two text goes here.

ACKNOWLEDGMENT

The authors would like to thank...

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