SAMPLE ARTICLE TITLE

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Keywords: put your keywords here

Abstract This is the abstract. This is the abstract. This is the abstract. This is the abstract. This is the abstract. This is the abstract. This is the abstract. This is the abstract. This is the abstract. This is the abstract.

Introduction

Here is an introduction. Here is an introduction. Here is an introduction. Here is an introduction. Here is an introduction.

1. FIRST SECTION

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1.1. FIRST SUBSECTION

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First SubSubSection. Here is some sample text. Here is some sample text. Here is some sample text. Here is some sample text. Here is some sample text. Here is some sample text.

First Paragraph. Here is some sample text. Here is some sample text. Here is some sample text. Here is some sample text. Here is some sample text. Here is some sample text. Here is some normal text. [1]

2. ALL THE THINGS THAT CAN BE DONE WITH FIGURE CAPTIONS

Figure 1 Short caption.

[1]A further, but subsidiary thought on this subject will find itself in the endnote section which appears above the references at the end of this article.

Figure 2 Oscillographfor memory address access operations, showing 500 ps address access time and $\alpha\beta\Gamma\Delta \sum_{123}^{345}$ superimposed signalsof address access in 1 kbit memory plane.

Figure 3 This caption will go on the left side of the page. It is the initial caption of two side-by-side captions.

Figure 4 This caption will go on the right side of the page. It is the second of two side-by-side captions.

Figure 4 (continued) This is a continued caption.

Figure 5 This caption is not continued so it has a new caption number.

Figure 6 This is a narrow caption so that it can be at the side of the illustration. This is a narrow caption. This is a narrow caption. This is a narrow caption.

Figure 6 (continued) This is a narrow continued caption. This is a narrow continued caption. This is a narrow continued caption.

Figure 7a Lettered caption.

Figure 7b One caption.

Figure 7c Two captions.

3. MAKING TABLES

Notice that the caption should be at the top of the table. Use a line above the table, under the column heads, and at the end of the table. This form of the tabular command makes the table spread out to the width of the page.

Table 1 Effects of the Two Types of Scaling Proposed by Dennardand Co-Workers.[a,b]

Parameter	κ *Scaling*	κ, λ *Scaling*
Dimension	κ^{-1}	λ^{-1}
Voltage	κ^{-1}	κ^{-1}
Currant	κ^{-1}	λ/κ^2
Dopant Concentration	κ	λ^2/κ

[a] Refs. 19 and 20.
[b] $\kappa, \lambda > 1$.

Table 2a A small table with a lettered table caption.

$\alpha\beta\Gamma\Delta$ *One*	*Two*	*Three*
one	two	three
one	two	three

Table 3 Here is a table caption.

Cell	*Time (sec.)*
1	432.22
2	32.32
3	2.32

Table 3 (continued) This is a continued caption.

Cell	*Time(sec.)*
4	532.22
5	12.02
6	4.44

4. OTHER ENVIRONMENTS

> This is a sample of extract or quotation.This is a sample of extract or quotation. This is a sample of extract or quotation.

1 This is the first item in the numbered list.

2 This is the second item in the numbered list. This is the second item in the numbered list. This is the second item in the numbered list.

- This is the first item in the itemized list.

- This is the first item in the itemized list. This is the first item in the itemized list. This is the first item in the itemized list.

  This is how to get an indented paragraph without an item marker.

  This is how to get an indented paragraph without an item marker.

5. SOME SAMPLE ALGORITHMS

When you want to demonstrate some programming code, these are the commands to use. Lines will be preserved as you see them on the screen, as will spaces at the beginning of the line.A backslash followed with a space will indent the line. Blank lines will be preserved. Math and font changes may be used.

state_transition algorithm {
for each neuron $j \in \{0, 1, \ldots, M-1\}$
{
calculate the weighted sum S_j using Eq. (6);
if $(S_j > t_j)$
{turn ON neuron; $Y_1 = +1$}
else if $(S_j < t_j)$
{turn OFF neuron; $Y_1 = -1$}
else
{no change in neuron state; y_j remains unchanged;}
.
}
}

Here is another sample algorithm:

Evaluate-Single-FOE ($\mathbf{x}_f$, $\mathbf{I}_0$, $\mathbf{I}_1$):
I+ := $\mathbf{I}_1$;
(ϕ, θ) := (0,0);
repeat /*usually only 1 interation required*/
$(\mathrm{s}_{opt}\ \mathbf{E}_\eta)$:= **Optimal-Shift** ($\mathbf{I}_0$,$\mathbf{I}^+$,$\mathbf{I}_0$,$\mathbf{x}_f$);
(ϕ^+, θ^+) := **Equivalent-Rotation** ($\mathbf{s}_{opt}$);
$(\phi, \theta) := (\phi, \theta) + (\phi^+, \theta^+)$;
$\mathbf{I}^+$:= **Derotate-Image** ($\mathbf{I}_1$, ϕ, θ);
until $(\|\phi^+\| \leq \phi_{max}\ \&\ \|\theta^+\| \leq \theta_{max})$;
return ($\mathbf{I}^+$, ϕ, θ, E_η).
End pseudo-code.

This is an example of 'codesamp' with a 'codebox' included. Notice that 'underline' will still work even though this is basically a verbatim environment.

```
sqrdc(a, n)(a, qraux){
  DARRAY float[180] a[180];
  float qraux[180], col[180], nrmxl,t;
  DO(1=0, n){
         ALIGN*(i=1, n) col[i]=a[l][i];
```

```
init*{ nrmxl=0.0;}
DO*(i=1, n){
  nrmxl += col[i]*col[i];}
combine*{nrmxl;}
```

```
nmxl=sqrt(nrmxl);
if (nrmxl != 0.00){
   if (col[1]=1.0+col[1];
```

GLOSSARY

GaAs Gallium Arsinide. For similar device sizes GaAs transistors have three tofive times greater transconductance than those of of silicon bipolar and MOS transistors.

VLSI Very Large Scale Integration. Since the mid-1970's VLSItechnology has been successfully used in many areas, but its effect on computers of all shapes and sizes has been the most dramatic. Some of the application areas got boosts in performance while others became feasible.

6. SUMMARY

This is a summaryof this article.

Acknowledgments

The authors wish to thank Drs. T. Misugi, M. Kobayashi, and M. Fukuta fortheir encouragement and support. Their authors also wish to thank their colleagues...

Appendix: This is a Chapter Appendix

This is an appendix which is meant to appear in individual chapters of the edited book, not at the end of the book.

Figure A.1 This is an appendix figure caption.

Table A.1 This is an appendix table caption.

one	two	three
C	D	E

$$\alpha\beta\Gamma\Delta \tag{A.1}$$

Appendix B

This is a chapter appendix without a title meant to appear in individual chapters of the edited book, not at the end of the book.

$$e = mc^2 \tag{B.1}$$

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