

# Surfing on the Gower

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November 1, 2004

## **Abstract**

Here you could summarise in a few sentences what exactly you want to say about surfing and why this is of utmost relevance in the context of computer science.

[It is always an excellent idea to write the abstract last – just after having finished with the introduction, and certainly after having selected, structured and formulated all the rest of the material that goes into the main sections]

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# 1 Introduction

## 1.1 Historical background

### 1.1.1 Prehistory

### 1.1.2 Roman contributions: the surfing circus at Cardiff

### 1.1.3 Early medieval surfing culture

### 1.1.4 Modern day surfing

## 1.2 The abstract surfing problem

# 2 Mathematical background

Large or important formulae are best put into a *display*, like

$$\alpha^{-1}(\omega + 17\chi^2(V) + (\rho(x) - 2^{4-y})) = \sum_{i=2}^{\infty} S_i(x, y)$$

If we were to explain something about it, e.g., about the significance of the term  $(\rho(x) - 2^{4-y})$ , we can do so within the body of the text as well.

Don't forget to reference the important textbooks and papers in the field, like [Au96], and to indicate the source of all quotations (see [On99, XX00]).

# 3 Parallel distributed surfing

# 4 Web surfing versus the real thing

# 5 An application

This is our chapter for systematic listings. An itemised list:

- this is the first item.
- I can't think of a second one, though.

Alternatively we could have used a numbered list:

1. this is the first item.

2. I can't think of a second one, though.

Some people even like to put information into tables.

| year | surfers | fine days | average student id |
|------|---------|-----------|--------------------|
| 98   | 16      | 3         | 154333             |
| 99   | 27      | 7         | 188000             |
| 00   | 13      | 4         | 199999             |

Structured equations and multi-line formulae are often put into an *array*, here we put one into a displayed formula:

$$\begin{aligned}
 X &= \delta(x, y) - \prod_i f_i(z) \\
 &\leq \delta(x, y) - \prod_i (f_i(z) + \gamma) \\
 &\leq X - 1
 \end{aligned}$$

Cross-reference within the document can be useful: see section 1.1.2.

## 6 Conclusions

Or a summary, an outlook, some further remarks, ...

## References

- [Au96] U.R. Author, The impact of surfing technology on pre-Cumbrian agriculture on the western fringes, in: Introduction to Surfing, I.M. Me (editor), Springer McGraw Wesley, 1996.
- [On99] N.O. One, *Report writing on the beach - a personal perspective*, Journal of this that and the other, 56, 1999, pp. 12-17.
- [XX00] *On the unreliability of web sources*,  
[www.swan.ac.uk/~csmartin/public\\_html/tutorials/sample.tex](http://www.swan.ac.uk/~csmartin/public_html/tutorials/sample.tex)