Surfing on the Gower

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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

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

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.

<table>
<thead>
<tr>
<th>year</th>
<th>surfers</th>
<th>fine days</th>
<th>average student id</th>
</tr>
</thead>
<tbody>
<tr>
<td>98</td>
<td>16</td>
<td>3</td>
<td>154333</td>
</tr>
<tr>
<td>99</td>
<td>27</td>
<td>7</td>
<td>188000</td>
</tr>
<tr>
<td>00</td>
<td>13</td>
<td>4</td>
<td>199999</td>
</tr>
</tbody>
</table>

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

\[
X = \delta(x, y) - \Pi_i f_i(z) \\
\leq \delta(x, y) - \Pi_i (f_i(z) + \gamma) \\
\leq X - 1
\]

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

6 Conclusions

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

References

