

Term-Indexing for the Beagle Theorem Prover

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Except where otherwise indicated, this thesis is my own original work.

Timothy Clarence Richard Cosgrove
30 June 2013

For Dana.

Acknowledgements

Thank you to my Supervisor and all...

Abstract

This should be the abstract to your thesis. . .

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An Introduction to My Thesis

1.1 The Basis for this Work

1.1.1 A Theoretical Framework

Background

2.1 Sentential and Predicate (First-Order) Logic

2.2 Theorem Proving

2.3 Term Indexing

2.4 Fingerprint Indexing

2.5 The Beagle Theorem Prover

2.6 Scala

We add a few blank pages here to illustrate section headings on odd pages (other than the first page in a new chapter).

Also, here is an example of a citation [Lamport 1994], and another one [Knuth 1986], and another [Goossens et al. 1994]. If in the context, it makes sense to talk about the work of an author in a more integrated way, like Lamport [1994], that can be done too. Because the information on this page is *so* important, it has been indexed too (see the index at the back of this thesis).¹

¹However, it is *strongly* advisable to leave indexing until the thesis is complete. Donald Knuth says to allow about a day for the task of indexing. In my experience he was spot-on.

Note the chapter name at the top of this even (lefthand) page. . .

Note the section heading at the top of this odd (righthand) page. . .

Method

3.1 Why I Did It

3.2 What I Did

Results

4.1 Why I Did It

4.2 What I Did

Conclusion

5.1 Why this is a Very Clever Thesis

Some Other Stuff

A.1 Why I Did It

More Stuff

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- GOOSSENS, M., MITTELBACH, F., AND SAMARIN, A. 1994. *The L^AT_EX Companion*. Addison Wesley. (p.3)
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