

This is the title

Your Name & Your Name

October 30, 2002

Abstract

The abstract is precisely that—a very brief, one paragraph summary of the entire work. It is a capsule of what is done.

1 Introduction

The introduction summarizes the problem, the goals, your methods, strategies, and your conclusions. It could be a page. Make your report serious and avoid humor. I will forward your reports to my colleagues in Michigan, who will be interested in how you did and what data you obtained from the experiment. Your report should be typed single space in Latex, Word (Word can make subscripts, powers, equations, tables, etc.), or some other equivalent software package that gives a professional look. There is lots of nice software that permits one to sketch graphs and diagrams; matlab and maple give nice graphs that can be pasted (even electronically) into the manuscript. Look at the loggerhead turtle paper on my website for an excellent example—but your report should not be that long!

2 Section Title

There should be one or more sections describing in detail your results. These sections should include your experimental methods, theoretical justifications, discussion, and conclusions. These sections may take several pages. There can be equations, e.g.,

$$L_{t+1} = 5A_t - 7 \int_0^4 f(x)dx,$$

tables, graphs, etc., in these sections. They form the main body of your report. Any highly technical summary could be placed in an appendix at the end of the report if it provides theoretical background for your report but is not central to main body of the report.

Stage	Pupa	Egg	Larva	Adult	Superbeetles	Queen Beetle
Alive	12	13	5	0	34	11
Dead	9	8	55	68	2	4

3 Summary and Conclusions

This section, consisting of only a few paragraphs, should summarize your main points and results.

The references occur, numbered, in alphabetical order, at the end, before any appendices. Note the form of the citations.

4 References

1. W. Gurney and R. Nisbet. 1998. *Ecological Dynamics*, Oxford University Press, Oxford.
2. D.W. Johns. 2001. Flour beetles from outer space, *J. Alien Science* 12, 25-44.
3. J. D. Logan. 2002. Private communication.

5 Appendix: Theoretical Discussion

The underlying theory could be in an appendix at the end of the report or in the main body of the report.

In this appendix we derive the equations used in the technical discussion in Section 3. Let the population of the larval stage at time t be given by

$$L_t = \sqrt{\frac{\int_2^6 A(t)dt}{e^{1.3t}}}. \quad (1)$$

From (1) we can derive the equation

$$Z = \left(\sum_{n=0}^{\infty} \frac{\sqrt[3]{\frac{\partial x}{\partial t}}}{\Psi \nabla \cdot \mathbf{\Omega}} \right)^{2/h}.$$