

# Your Title

Your Name

Math XXX

January 5, 2016

# Abstract

In this article we prove some nifty stuff. Math Math Math Blah Blah Blah Math  
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# 1 Introduction

Here is some background material. Math Math Blah Blah Blah Math Math Math Blah Blah  
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## 2 Preliminaries

Here is some stuff that you need to know in order to read this paper. Math Math Math Blah  
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### 3 The Hard Work

Here is our main theorem:

**Theorem 3.1.** *Something is true.*

*Proof.* We offer a proof only so you can see a book citation. As we can see in [3] and in [1] and even [2] this is most certainly true.  $\square$

Well, it all works out like so. Math Math Math Blah Blah Blah Math Math Math Blah  
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## 4 Conclusion

Here is an example of cross referencing. From 3.1 we see that

**Lemma 4.1.** *Something else is also true.*

There ya go. Math Math Math Blah Blah Blah Math Math Math Blah Blah Blah Math  
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## References

- [1] B. Csákány. Characterization of regular varieties. *Acta. Sci. Math. (Szeged)*, 31:187–189, 1970.
- [2] Patricia O’Grady. Thales of Miletus. *The Internet Encyclopedia of Philosophy*, 2010. <http://www.iep.utm.edu/>. Accessed 12-25-2015.
- [3] A. Tarski and S. Givant. *A formalization of set theory without variables*. Number 41 in Colloquium Publications. American Mathematical Society, Providence, Rhode Island, 1987.