

# LaTeX Tutorial

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### Sneak Preview

This document you're reading shouldn't make a whole lot of sense. You should be looking at the `example.tex` file and observing how the commands there get translated into the type you're reading.

## 1 Text Examples

### 1.1 Fonts

**quick brown fox**  
*quick brown fox*  
quick brown fox  
*quick brown fox*  
**quick brown fox**  
*quick brown fox*  
QUICK BROWN FOX

## 1.2 Special Typesettings

*The polynomial  $p(t)$  splits... The polynomial  $p(t)$  splits ...*

**Proposition 1** *This is the text of my proposition.*

**Theorem 1 (Main Theorem)** *This is the main theorem.*

CHECK OUT THIS COOL LIST:

1.  $M$  IS COMPLETE
2.  $f$  IS PROPER

THIS WILL BE CENTERED!

THIS WILL BE UNDERLINED!

## 2 Formatting Space

...THE FOLLOWING DIAGRAM.

SOME TEXT TO DISPLAY THE AMOUNT OF SPACE.

THIS SHOULD BE ON A NEW PAGE. ...THIS IS THE END OF THE LINE.  
 THIS IS WHERE I WANT TO START THE NEXT LINE.  
 ...THIS IS THE END OF ANOTHER LINE.  
 THIS SHOULD BE A NEW LINE THAT'S "PRETTIER"

### 3 Tables and Displaying Math

$\lambda$	(5)	(4,1)	(3,2)	(3,1,1)	(2,2,1)	(2,1,1,1)	(1,1,1,1,1)
$d_\lambda$	1	4	5	6	5	4	1

$$\bar{n}_j^*(s) = \frac{\left\{ s \sum_{i=1}^k n_i(0) p_{i,k+1}^*(s) + M^*(s) \right\} \sum_{i=1}^k p_{0i} p^{*ij}(s)}{1 - s \sum_{i=1}^k p_{0i} p_{i,k+1}^*(s)} + \sum_{i=1}^k n_i(0) p_{ij}^*(s) [j = 1, 2, \dots, k].$$