Beamer Theme

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Outline

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Latex and Beamer

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Beamer is a LaTeX class to create powerful, flexible and nice-looking presentations and slides.
The beamer class is focussed on producing (on-screen) presentations, along with support material such as handouts and speaker notes.

Outline

Block and Alert

Pythagorean theorem

$$a^2 + b^2 = c^2$$

where c represents the length of the hypotenuse and a and b the lengths of the triangle's other two sides.

Remark

- the environment above is **block**
- the environment here is **alertblock**

Proof

Pythagorean theorem

$$a^2 + b^2 = c^2$$

Proof.

$$3^2 + 4^2 = 5^2$$
$$5^2 + 12^2 = 13^2$$

$\square$

Algorithm

Data: this text
Result: how to write algorithm with LaTeX2e
initialization;
while *not at end of this document* **do**
    read current;
    if *understand* **then**
        go to next section;
        current section becomes this one;
    else
        go back to the beginning of current section;
    end
end

    Algorithm 1: How to write algorithms (copied from here)

An Algorithm For Finding Primes Numbers.

```
int main (void)
{
    std::vector<bool> is_prime (100, true);
    for (int i = 2; i < 100; i++)
    if (is_prime[i])
    {
        std::cout << i << " ";
        for (int j = i; j < 100; is_prime [j] = false, j+=i);
    }
    return 0;
}
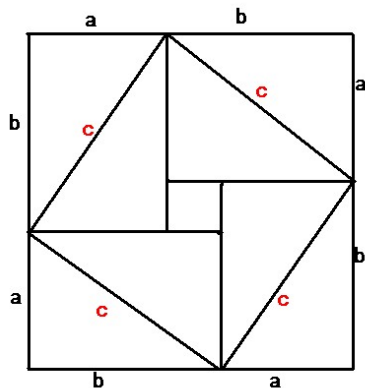```

Note the use of \alert.

## More

More environments such as

- Definition
- lemma
- corollary
- example

# Outline

# Minipage



1. item
2. another
3. more
   - first
   - second
   - third

# Columns

This is a text in first column.

$$E = mc^2$$

- First item
- Second item

### first block

columns achieves splitting the screen

### second block

stack block in columns

# Create Tables

| first | second | third |
| :---: | :---: | :---: |
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |

# Outline

# End

The last page.