

My first document

John Doe

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1 Section

Hello World!

1.1 subsection

Structuring a document is easy!

2 Section2

2.0.1 subsubsection

paragraph

subparagraph

$$f(x) = x^2 \tag{1}$$

$$f(x) = x^2$$

3 Section3

This formula $f(x) = x^2$ is an example

$$1 + 2 = 3$$

$$1 = 3 - 2$$

$$\begin{aligned} 1 + 2 &= 3 \\ 1 &= 3 - 2 \end{aligned}$$

$$f(x) = x^2 \tag{2}$$

$$g(x) = \frac{1}{x} \tag{3}$$

$$F(x) = \int_b^a \frac{1}{3} x^3 \tag{4}$$

$$\frac{1}{\sqrt{x}}$$

$$\begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$$



Figure 1: A boat.

Figure 1: A boat.

Figure 1 shows a boat.

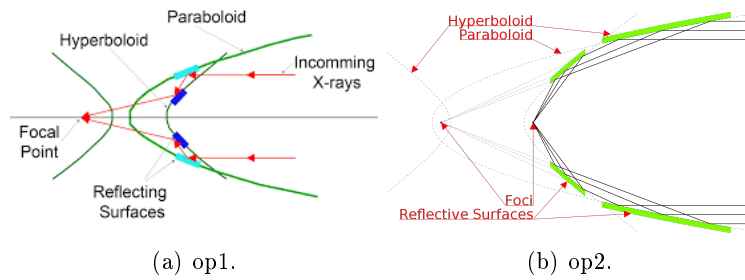


Figure 2: Two optical figures

Random citation [1] embedded in text.

References

- [1] A. G. Michette, G. R. Morrison, and C. J. Buckley, *X-Ray Microscopy III - Proceedings of the Third International Conference, London, September 3-7, 1990*. Berlin, Heidelberg: Springer, 2013.

Table 1: Your first table.

Value 1	Value 2	Value 3
α	β	γ
1	1110.1	a
2	10.1	b
3	23.113231	c

```

1 #!/usr/bin/perl
2 print S(@ARGV);sub S{$r=(@_[0]%4==0&&@_[0]%100!=0)||@_[0]%400=0;}

```

This is my link: LaTeX-Tutorial.

- One
- Two
- Three

1. One
2. Two
3. Three

1. One
 - (a) Two
 - (b) Three
 - (c) Four

2. Five
3. Six