Example Typst Document

1. Text and headings

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque doleamus animo, cum corpore dolemus, fieri.

1.1. H2

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat.

1.1.1. H3

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore.

2. Links and other references

2.1. Links

Typst https://typst.app

### 2.2. References

Section 2

2.3. Footnotes

Some text[1]

3. Tables

Equation	Area	Parameters
$\pi h \dfrac{D^2 - d^2}{4}$	h: height D: outer radius d: inner radius	$\dfrac{\sqrt{2}}{12} a^3$

4. Visuals

4.1. Circles

Automatically sized to fit.

---

[1] footnote test

4.2. Ellipses

Automatically sized
to fit the content.
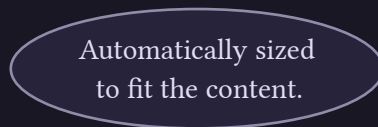
4.3. Lines
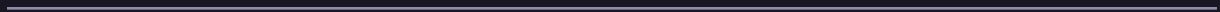
4.4. Paths

4.5. Polygons

4.6. Rectangles

Automatically sized
to fit the content.

4.7. Squares

Automatically
sized to fit.
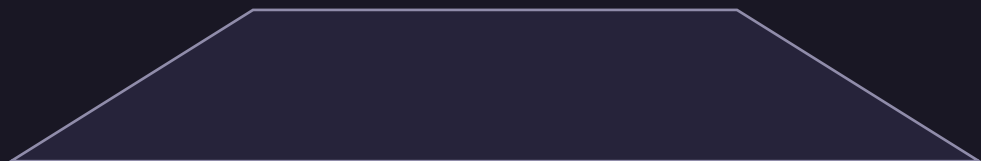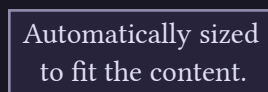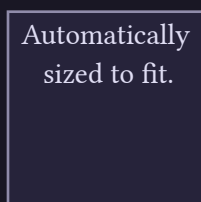
4.8. Highlights

This is important.

This Link is important too.

So is this reference Section 2.

4.9. Code

Python syntax highlighting example, copied from bat (MIT License @ bat-developers).

```python
from os import getcwd
import numpy as np
from matplotlib.pyplot import plot as plt
from time import *


# COMMENT test
h2 = 4  # this is a comment
"""this is also a comment"""

# Import test

# class test


class Hello:
    def __init__(self, x):
        self.name = x

    def selfprint(self):
        print("hello my name is ", self.name)

    def testprint(self):
        print(1*2, 2+3, 4 % 5, 8-4, 9/4, 23//4)

# Decorators test
class Decorators:
    @classmethod
    def decoratorsTest(self):
        pass

H1 = Hello("john")
H1.selfprint()
H1.testprint()


# list test
a = [1, 2, 3, 4, 5]
a.sort()
print(a[1:3])
print(a[:4])
print(a[2])
print(a[2:])

# dictionary test
# copied from w3schools example
```

```python
myfamily = {
    "child1": {
        "name": "Emil",
        "year": 2004
    },
    "child2": {
        "name": "Tobias",
        "year": 2007
    },
    "child3": {
        "name": "Linus",
        "year": 2011
    }
}

# tuple test

testTuple = ("one", 2, "3")
print(testTuple)

print(np.random.randint(5, 45))

# string test
a = "hello world"
b = """good morning
hello world
bye"""

formattest = "teststring is ={}".format(5)

# lambda test


def x2(n):
    lambda n: n/7


# if else ladder
if 1 > 2:
    print("yes")
elif 4 > 5:
    print("maybe")
else:
    print("no")

# loops
i = 5
while(i > 0):
    print(i)
    i -= 1

for x in range(1, 20, 2):
    print(x)
```