Title: Aug 31, 2025

September 1, 2025

Some text

```
x = 1
# a comment
y = x+1
## this is another comment
```

$$a = b + c$$
$$+ d + e$$
$$f = g - h$$

As shown in Equation, Euler's identity is a fundamental mathematical relationship.

1 REGNAME

This is markdown. Consider:

$$E = mc^2 \tag{1}$$

Where Equation (1) demonstrates the relationship between energy, mass, and the speed of light.

```
m = 1

c = 3e8

E = m*c^2
```

Another multiline equation is as follows:

$$Ax = b$$
$$x \geq 0 \tag{2}$$

Here, Equation (2) represents a system of linear equations with non-negativity constraints.