

# Self Balancing Bike

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# **1 Abstract**

Building a self balancing bike using image processing and lane detection algorithms, also getting radius of curvature of the lane.

## 2 Equations

### 2.1 Physics

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

### 2.2 Maths

$$A \cap B \neq B \cup A \tag{2}$$

$$A \leq B = B \geq A \tag{3}$$

### 3 References

[1]

### References

- [1] A. Zanella, N. Bui, A. Castellani, L. Vangelista, and M. Zorzi, “Internet of things for smart cities,” *IEEE Internet of Things Journal*, vol. 1, pp. 22–32, Feb 2014.