

Notes

Mr. Maxwell

August 11, 2025

Contents

1 Measurement :unit 1:	1
1.1 SI units	1
1.1.1 length	1
1.1.2 time	1
1.1.3 mass	1
1.1.4 test	1

"Science and engineering are based on measurements and comparisons."
(Jearl Walker, David Halliday, Robert Resnick, 2014 p. 1)

1 Measurement :unit 1:

1.1 SI units

$$1 \text{ watt} = 1 \text{ W} = 1 \text{ kg} \cdot \text{m}^2/\text{s}^3 \quad (1)$$

1.1.1 length

The meter is defined as the distance traveled by light during a precisely specified time interval.

1.1.2 time

1.1.3 mass

1.1.4 test

1