

# Units of measure

Symbols can be used for units of measure.

```
v = 1.2 meter / second
```

```
v
```

$$\frac{1.2 \text{meter}}{\text{second}}$$

Assign strings to unit symbols for improved display appearance.

```
meter = "m"  
second = "s"  
v
```

$$\frac{1.2 \text{ m}}{\text{s}}$$

Derived units can be handled by converting to base units.

```
h = 6.626 10^(-34) joule second  
joule = kilogram meter^2 / second^2  
kilogram = "kg"  
h
```

$$h = \frac{6.626 \times 10^{-34} \text{ kg m}^2}{\text{s}}$$

Here is a trick for displaying derived units. In this example, convert joules to string “J”.

```
h "J" / joule
```

$$6.626 \times 10^{-34} \text{ Js}$$

See the following link for a script with recommended physical values in SI units.

Physical constants script