

## rendering in safari after Jekyll processing:

### Calculating a Speed

Some traditional jargon and nomenclature. “Change” and “change-of” always means the difference between where you *are* as compared with where you *were*. Suppose I start out with \$150 and my wife gives me \$50. What’s the net *change in* my net worth? We can represent this simple transaction as

$$\begin{aligned}\Delta(\text{my wealth}) &= \text{where I ended up} - \text{where I started} & (4) \\ &= \$150 - \$100 = \$50 & (5)\end{aligned}$$

which is the definition of our  $\Delta$ : always “the end minus the beginning,” the final value of some quantity minus the initial value of that quantity.

Remember that we’re using the standard notation in which the “initial state” of any quantity will be decorated with a little “0” subscript, like  $x_0$  here. The “final state” will usually have no subscript and just be  $x$ . So  $\Delta x = x - x_0$ . Get it?

### Calculating a Speed

Some traditional jargon and nomenclature. “Change” and “change-of” always means the difference between where you *are* as compared with where you *were*. Suppose I start out with \$150 and my wife gives me \$50. What’s the net *change in* my net worth? We can represent this simple transaction as

```
$$\begin{align}
\Delta(\text{my wealth}) &= \text{where I ended up} - \text{where I started} \\
&= \$150 - \$100 = \$50
\end{align}$$
```

which is the definition of our  $\Delta$ : always “the end minus the beginning,” the final value of some quantity minus the initial value of that quantity.

Remember that we’re using the standard notation in which the “initial state” of any quantity will be decorated with a little “0” subscript, like  $x_0$  here. The “final state” will usually have no subscript and just be  $x$ . So  $\Delta x = x - x_0$ . Get it?

> **sing along**

Remember the rule. When you see the  $\Delta$ ; you should be copying what’s between it and the victory sign,  $\Delta$ . It’s the path to your brain.

$\Delta$

## rendering in Macdown editor and preview:

### Calculating a Speed

Some traditional jargon and nomenclature. “Change” and “change-of” always means the difference between where you *are* as compared with where you *were*. Suppose I start out with 150 and my wife gives me 50. What’s the net *change in* my net worth? We can represent this simple transaction as

$$\begin{aligned}\Delta(\text{my wealth}) &= \text{where I ended up} - \text{where I started} \\ &= 150 - 100 = 50\end{aligned}$$

which is the definition of our  $\Delta$ : always “the end minus the beginning,” the final value of some quantity minus the initial value of that quantity.

Remember that we’re using the standard notation in which the “initial state” of any quantity will be decorated with a little “0” subscript, like  $x_0$  here. The “final state” will usually have no subscript and just be  $x$ . So  $\Delta x = x - x_0$ . Get it?

**sing along**

## rendering in Atom editor and markdown-preview-enhanced rendering:

```
rendering>>>
```

### ## Calculating a Speed

Some traditional jargon and nomenclature. “Change” and “change-of” always means the difference between where you *are* as compared with where you *were*. Suppose I start out with \$150 and my wife gives me \$50. What’s the net *change in* my net worth? We can represent this simple transaction as

```
$$\begin{align}
\Delta(\text{my wealth}) &= \text{where I ended up} - \text{where I started} \\
&= \$150 - \$100 = \$50
\end{align}$$
```

which is the definition of our  $\Delta$ : always “the end minus the beginning,” the final value of some quantity minus the initial value of that quantity.

Remember that we’re using the standard notation in which the “initial state” of any quantity will be decorated with a little “0” subscript, like  $x_0$  here. The “final state” will usually have no

### Calculating a Speed

Some traditional jargon and nomenclature. “Change” and “change-of” always means the difference between where you *are* as compared with where you *were*. Suppose I start out with 150 and my wife gives me 50. What’s the net *change in* my net worth? We can represent this simple transaction as

$$\begin{aligned}\Delta(\text{my wealth}) &= \text{where I ended up} - \text{where I started} \\ &= 150 - 100 = 50\end{aligned}$$

which is the definition of our  $\Delta$ : always “the end minus the beginning,” the final value of some quantity minus the initial value of that quantity.

Remember that we’re using the standard notation in which the “initial state” of any quantity will be decorated with a little “0” subscript, like  $x_0$  here. The “final state” will usually have no subscript and just be  $x$ . So  $\Delta x = x - x_0$ . Get it?