

The propagation delay is the total distance in meters divided by the speed in meters per millisecond

```
In[0]:= distance = Quantity[775, "m"];
```

```
In[1]:= speed = Quantity[2.4 * 105, "m/ms"];
```

```
In[2]:= dprop = 
$$\frac{\text{distance}}{\text{speed}}$$

```

```
Out[2]= 0.00322917 ms
```

The return trip time (RTT) is thus

```
In[3]:= dnode = Quantity[2 + 1 + 5 + 24, "ms"];
```

```
In[4]:= RTT = dprop * 2 + dnode
```

```
Out[4]= 32.0065 ms
```