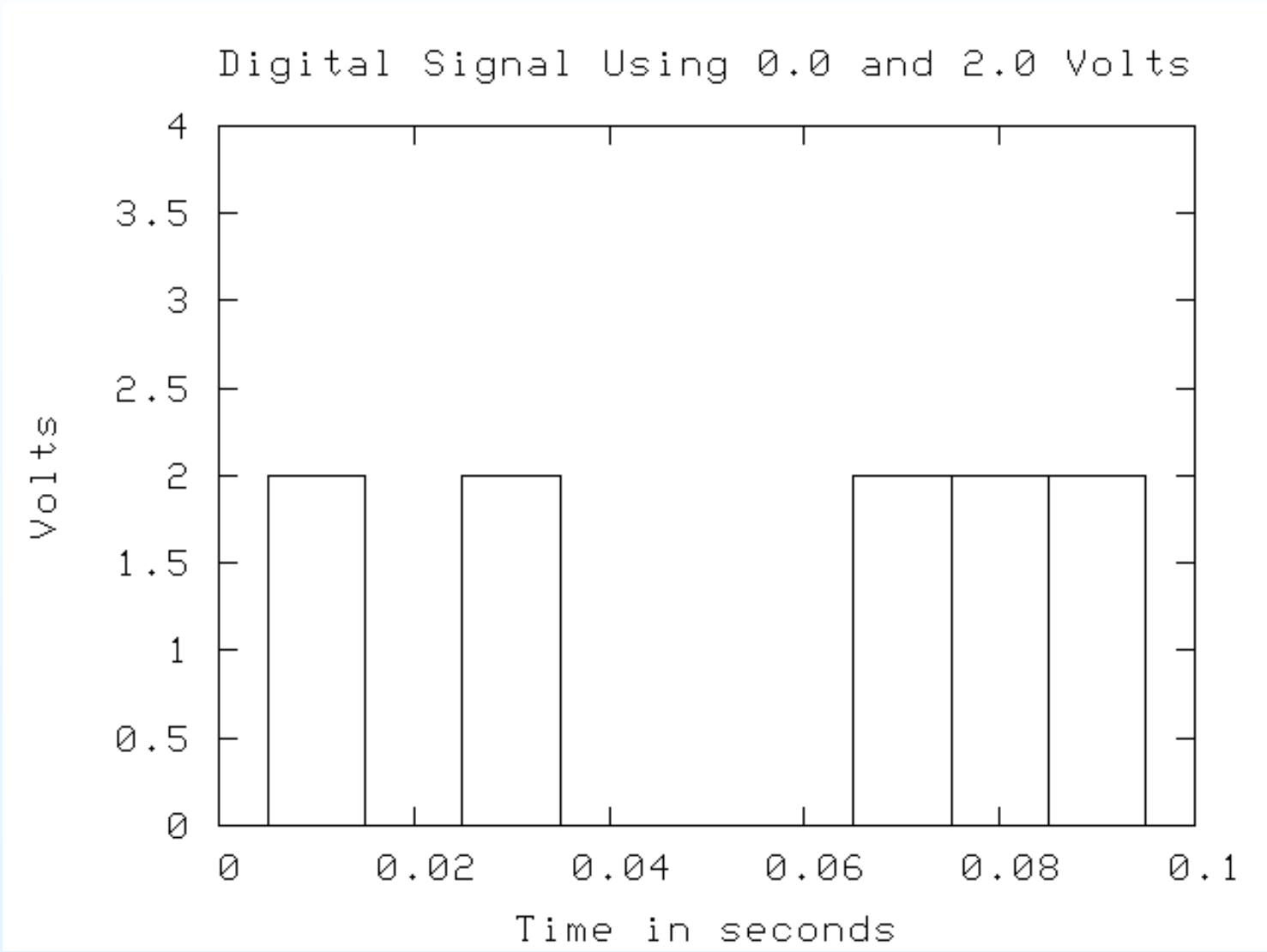
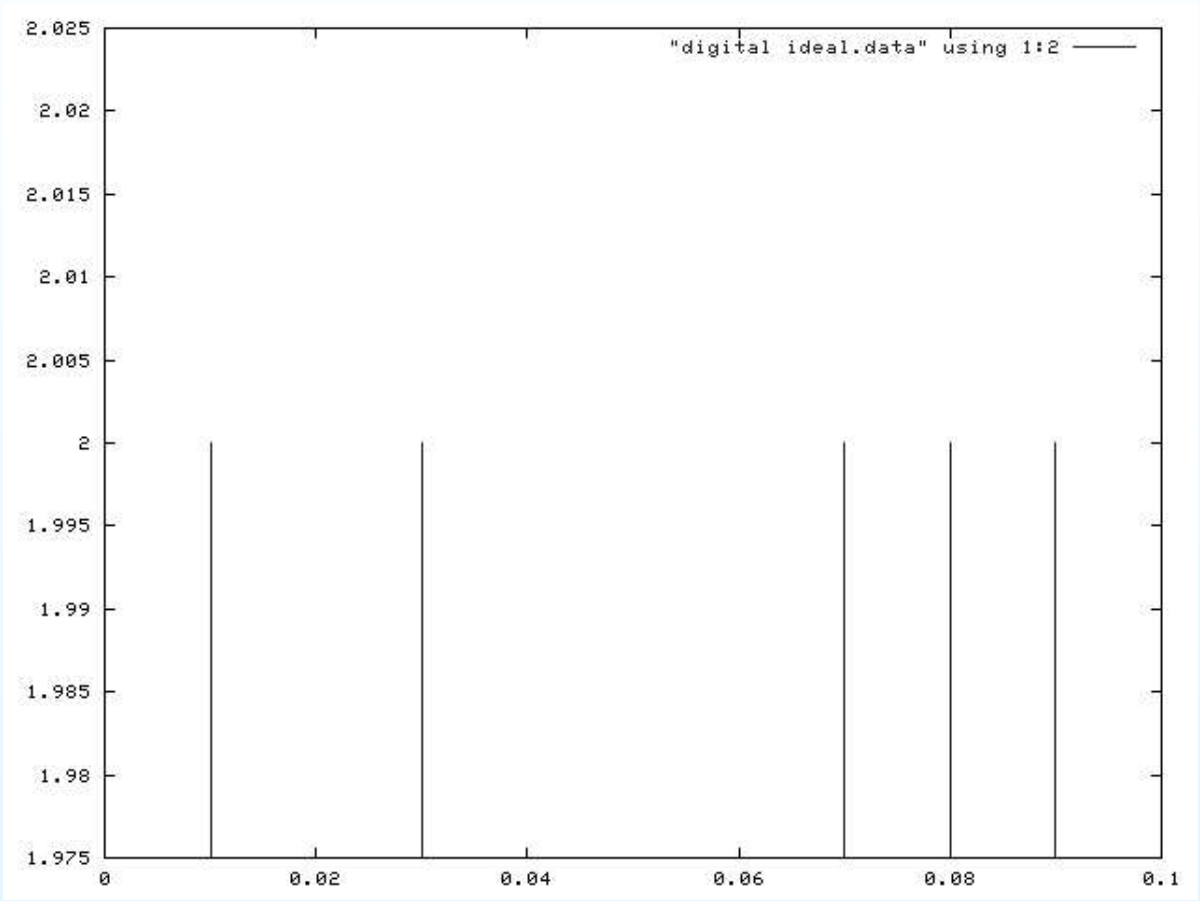
Digital Signaling

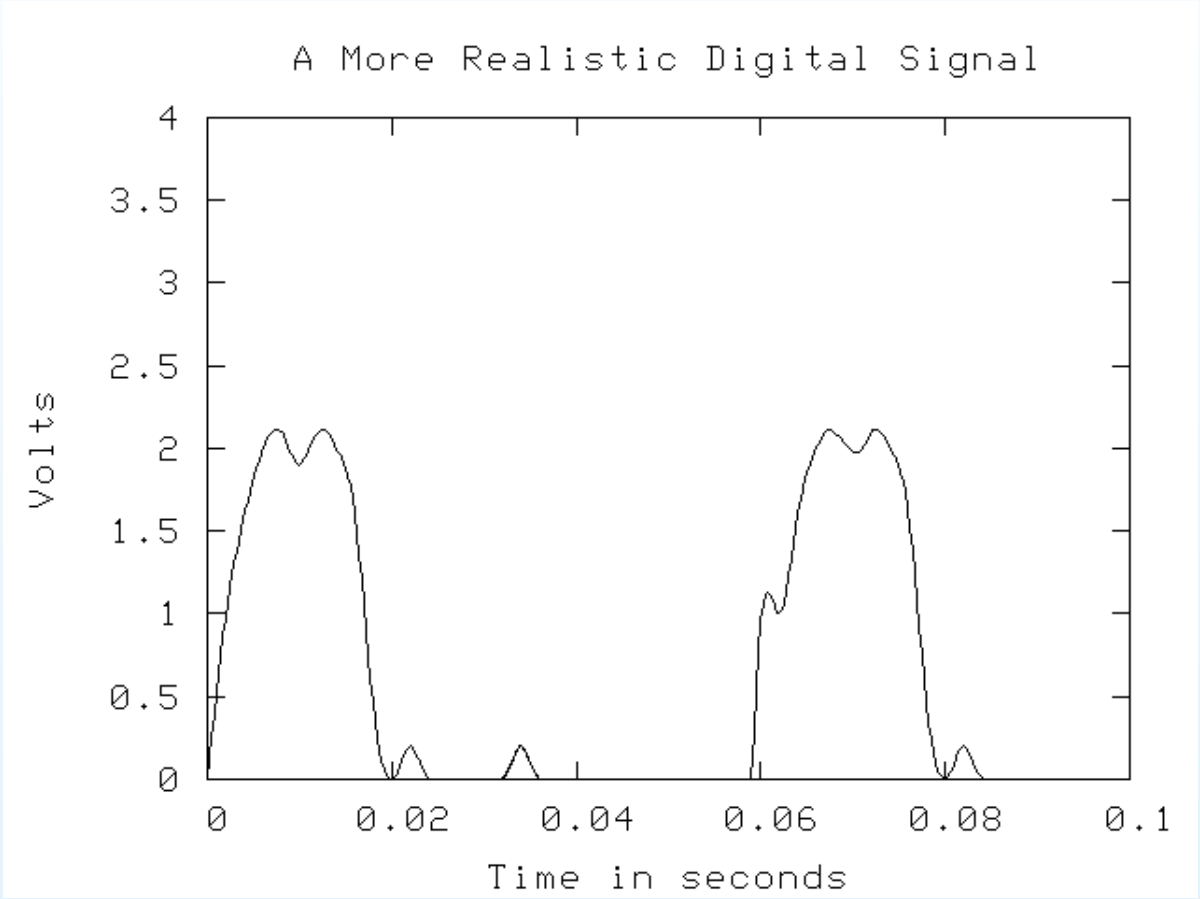


Ideal Digital Signal



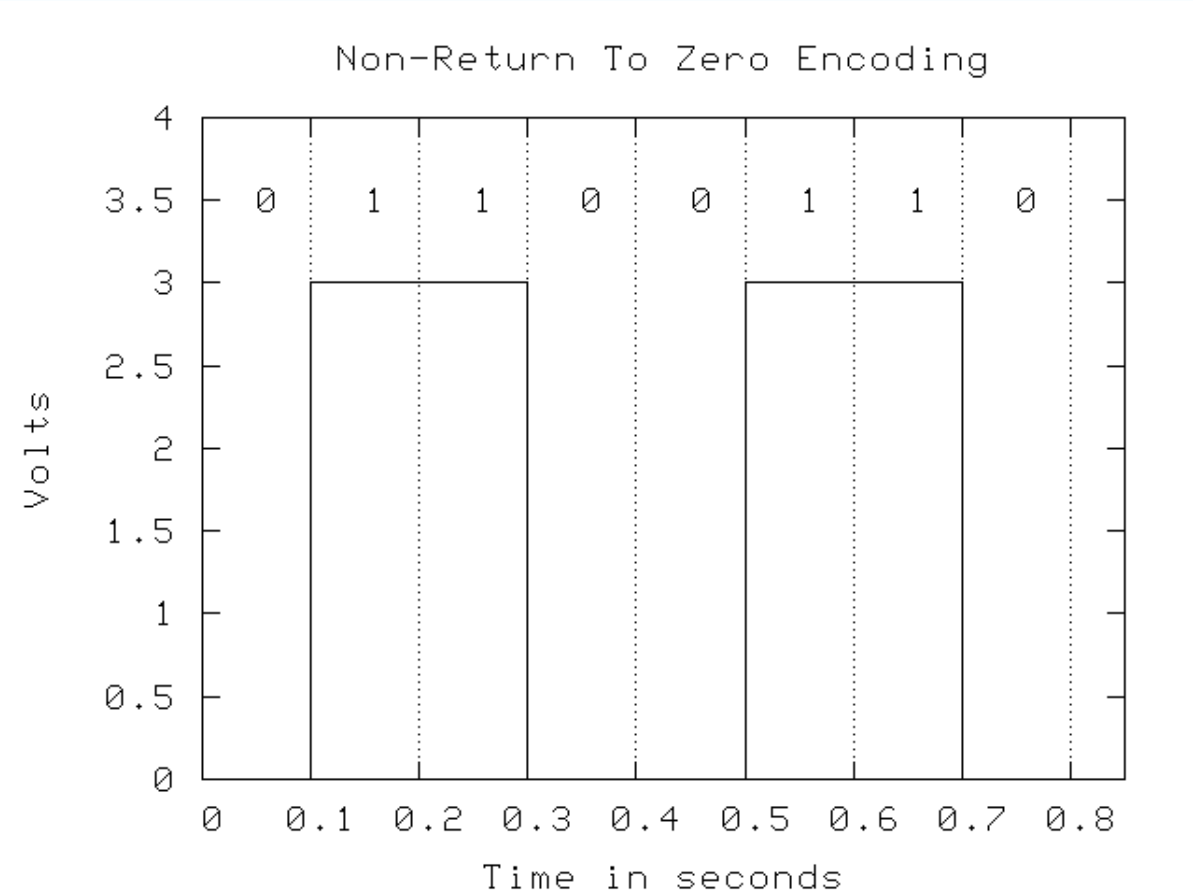
Why Ideal Isn't Possible

- The voltage level cannot be changed instantaneously.
- Errors can disrupt or obliterate signals.



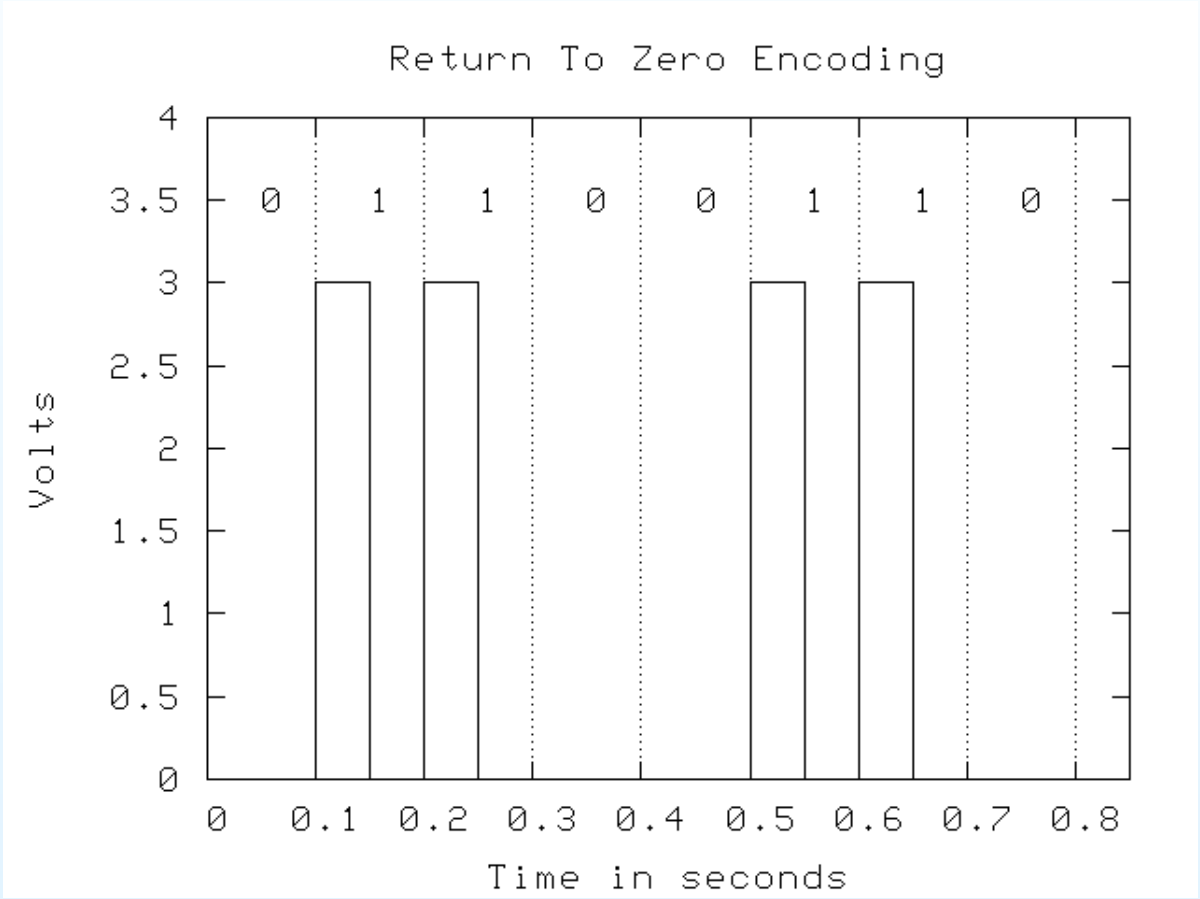
Digital Encoding

How do we represent our bits when we send digital signals.



Synchronization

We need something in the signal that will allow the receiver to synchronize itself with the sender, and to accomodate small errors in clock rate.



Manchester Encoding

To insure signal changes on a regular basis: