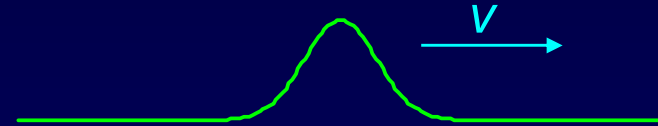


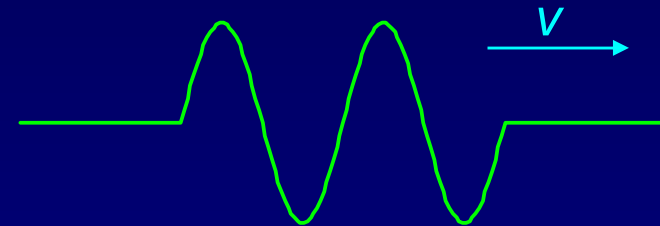
# Wave Forms

We can have all sorts of waveforms:

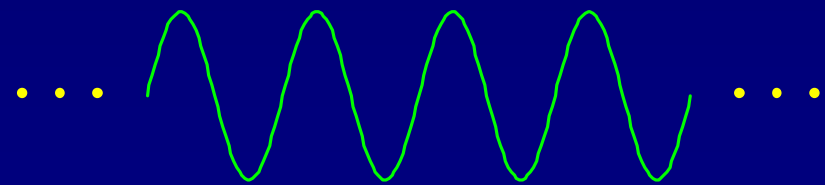
**Pulses** caused by brief disturbances of the medium



**Wavepackets**: like harmonic waves, but with finite extent.



We usually focus on **harmonic waves** that extend forever. They are useful because they have simple math, and accurately describe a lot of wave behavior.



Also called "sine waves"