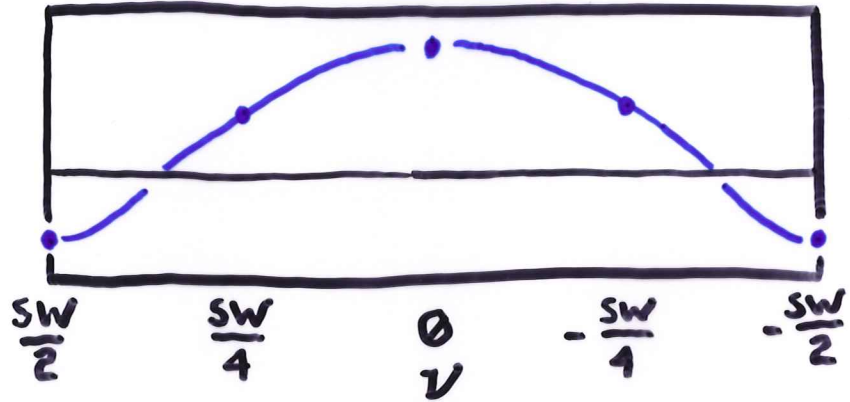
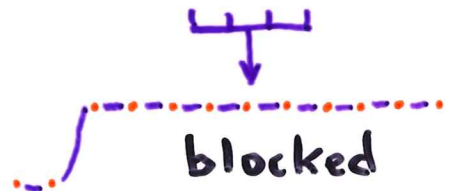
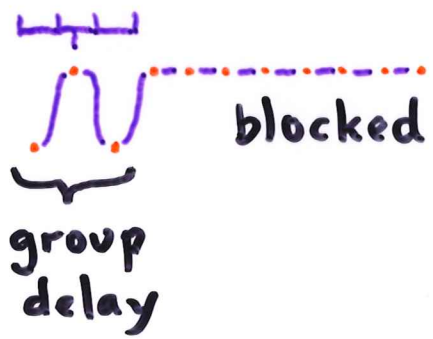
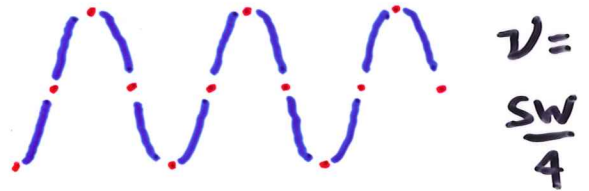
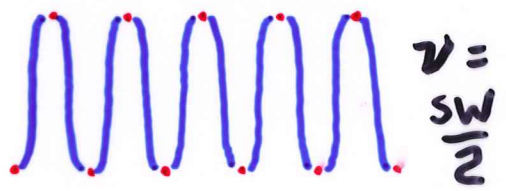


# Rectangular Filters: Effect on Frequency Domain

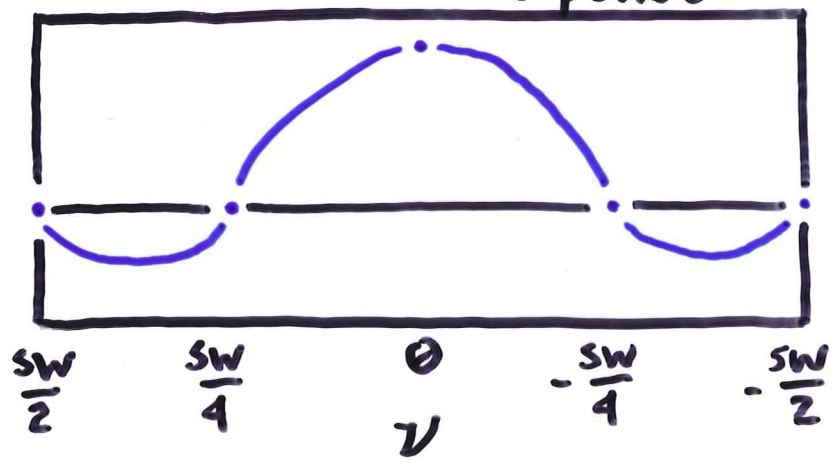


3 point filter  
 $\text{Sin}(x)/x$  response

4 point rectangular filter:



## Filter Response



4 point filter  
 narrower  $\text{sin}(x)/x$   
 response