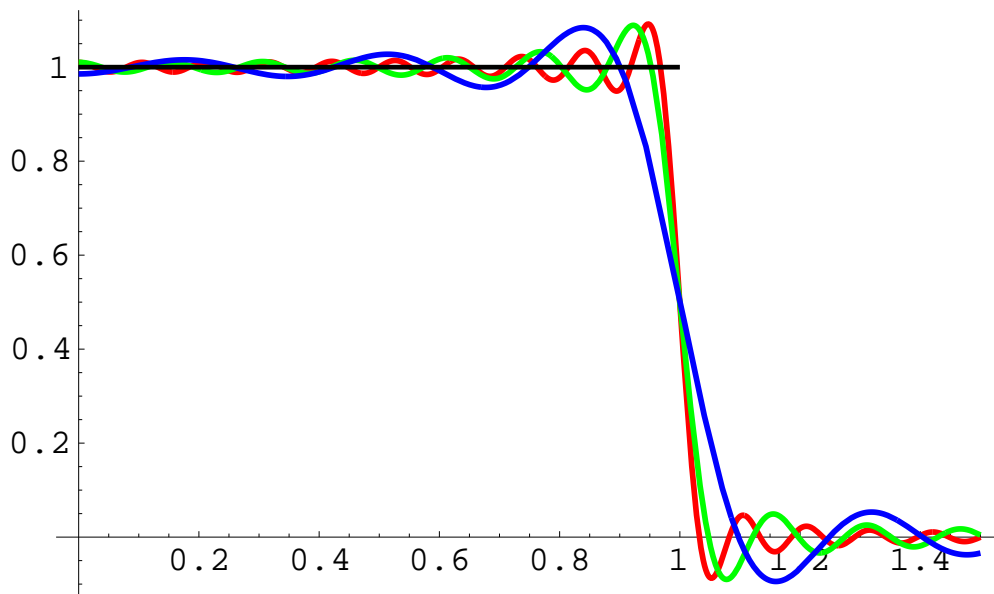




Wavelets (Winter 08/09)

$$\chi_{[-1,1]}(x) = \text{L}^2\text{-}\lim_{n \rightarrow \infty} \frac{2}{\pi} \int_0^n \text{sinc}(\omega) \cos(x\omega) d\omega$$



$n = 20$, $n = 40$, $n = 60$