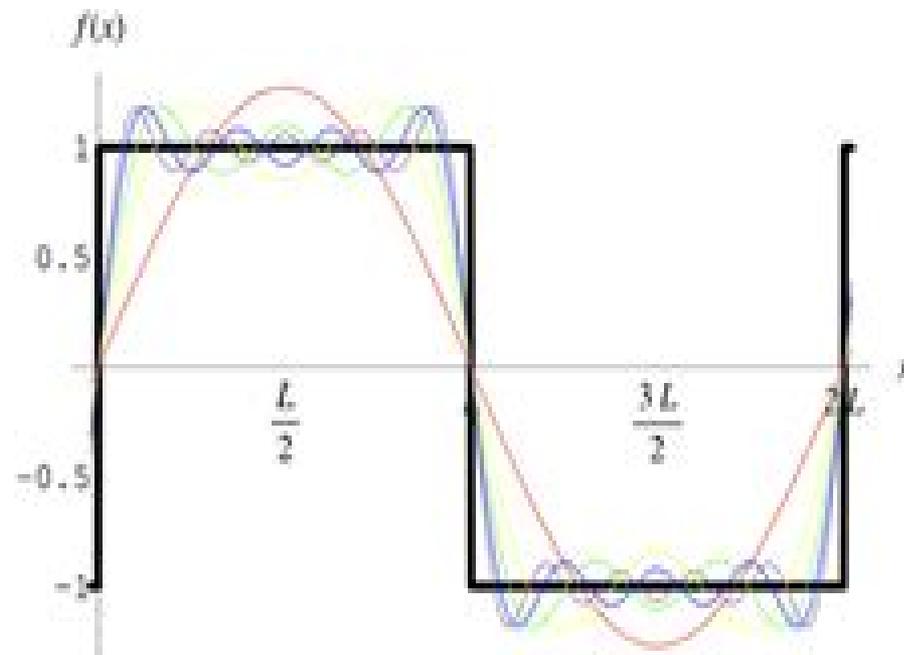# Fourier Series--Square Wave

Consider a square wave $f(x)$ of length $2L$. Over the range $[0, 2L]$, this can be written as

$$f(x) = 2[H(x/L) - H(x/L - 1)] - 1,$$

(1)

where $H(x)$ is the Heaviside step function. Since $f(x) = f(2L - x)$, the function is

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Larry C. Andrews

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web because of the fact that polar covalent bonds have higher melting and boiling points why do dipole forces have an impact on the melting and boiling points of substances this is because the dipole forces are an added force of attraction that slows the molecules down making it take more energy to melt or boil them