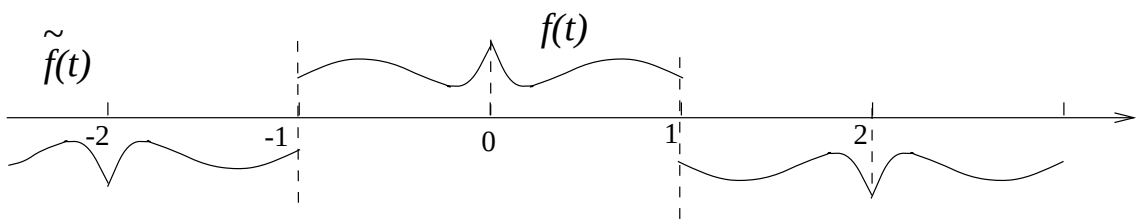

Figure 8.15: A cosine IV extends $f(t)$ into a signal $\tilde{f}(t)$ of period 4 which is symmetric with respect to 0 and antisymmetric with respect to 1.