Top-left plot: $y_n(t) = B_n \sin(2\pi f_n t),\ B_n = \frac{1}{n},\ f_n = n \cdot f_{\text{signal}}$

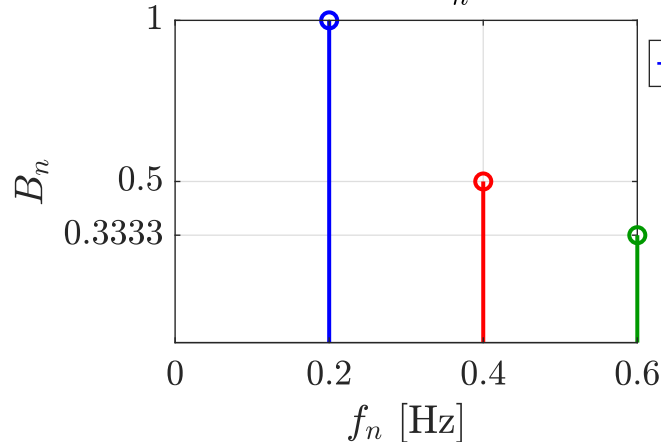$T_p = 5$ sekund gir $f_{\text{signal}} = 0.2$ Hz

tiden $t$

Top-right plot: $y(t) = \sum_{n=1}^{M} B_n \sin(2\pi f_n t)$

$y(t),\ M = 3$
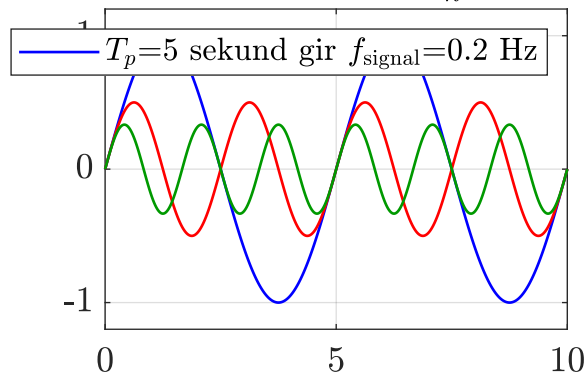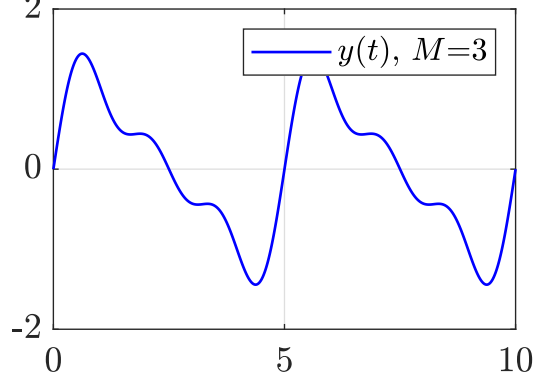
tiden $t$

Bottom-left plot: Fourierkoeffisientene $B_n$ mot frekvens $f_n$

$B_n$

$f_n$ [Hz]

Bottom-right plot: Fouriertransformasjonen av $y(t)$

Resultat fra `FrekvensSpekter(y,t)`

Amplitude

Frekvenser $f$ [Hz] i signalet $y(t)$