$$\begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix} \qquad \begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix} \qquad \begin{bmatrix} 1-|\rho|^2 & -\bar{\rho} \\ \rho & 1 \end{bmatrix} \qquad \begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix} \qquad \begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix}$$

$-b_2 \quad -a_2 \qquad -b_1 \qquad -a_1 \quad -L \qquad\qquad\qquad\qquad\qquad L \quad a_1 \qquad b_1 \qquad a_2 \quad b_2$
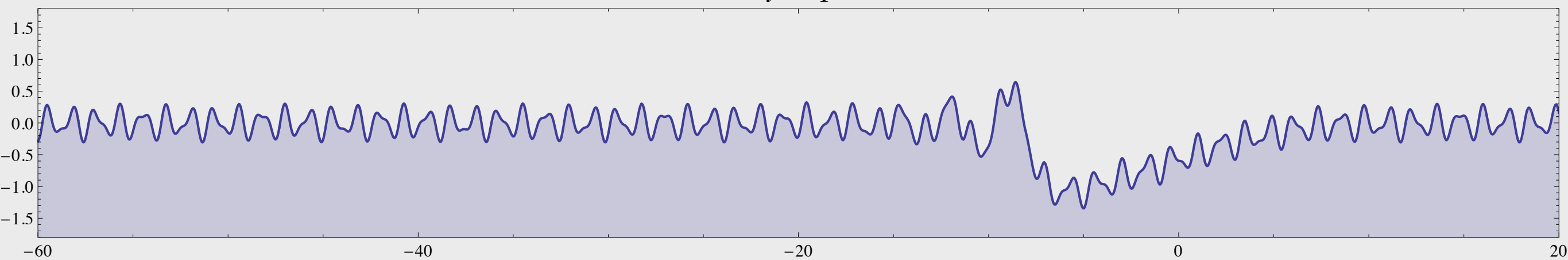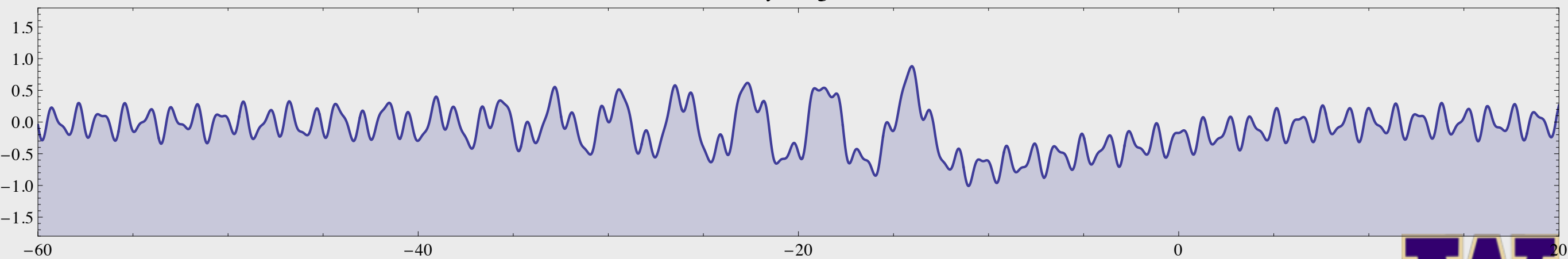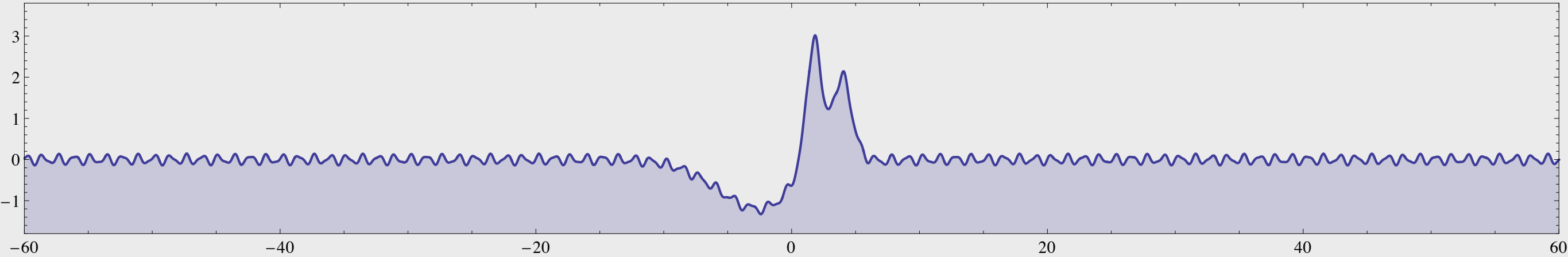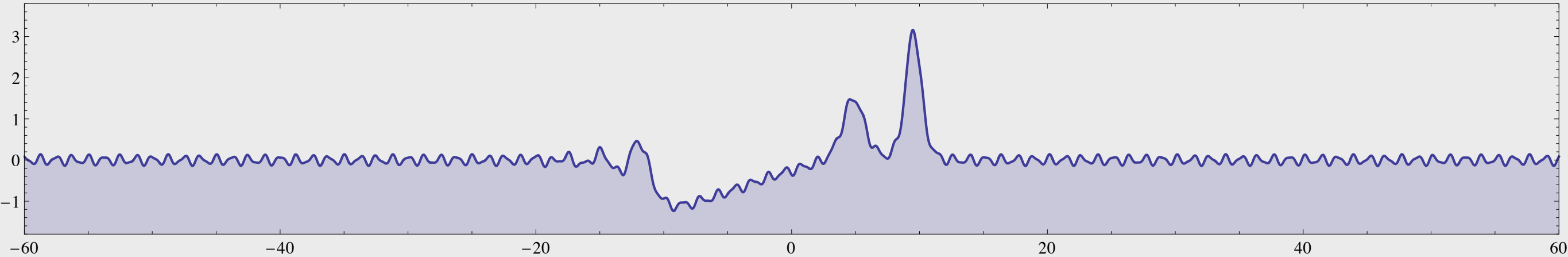
$t = 0$

$t = 1$

$t = 3$

With some solitons

$t = 0$

$t = 1$

$t = 5$