Define

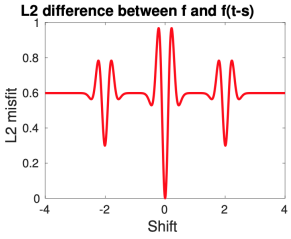
$$\psi_{\mu,\sigma}(t) = \left(1 - \left(\frac{t-\mu}{\sigma}\right)^2\right) e^{\frac{-(t-\mu)^2}{2\sigma^2}}$$

Yiran's test case is

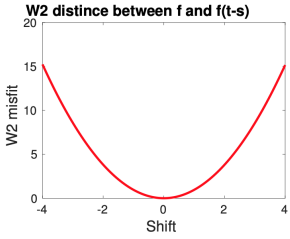
$$\psi(t) = \frac{1}{2}\left(\psi_{1,0.1}(t) + \psi_{3.0,0.1}(t)\right)$$

The $\sigma = 0.1$ is a guess based on eyeballing her plot. The plot on the right is her plot. The plot on the right is mine. See if you can recreate this plot to see what yours looks like. My L_2^2 curve looks correct (I just don't have as many points). But the W_2^2 curve looks way off.

(a) Two signals



(b) L^2 sensitivity curve



(c) W_2 sensitivity curve