

$\varepsilon = 0.1$	$\varepsilon = 0.3$	$\varepsilon = 0.5$	
$\tau = 2.248$ 	$\tau = 0.749$ 	$\tau = 0.45$ 	$\delta = 0.1$
$\tau = 1.689$ 	$\tau = 0.563$ 	$\tau = 0.338$ 	$\delta = 0.3$
$\tau = 1.354$ 	$\tau = 0.451$ 	$\tau = 0.271$ 	$\delta = 0.5$

Density of  $f(\mathbf{x}) + \mathbf{r}$  with  $\mathbf{r} \sim N(0, \tau^2)$  distribution