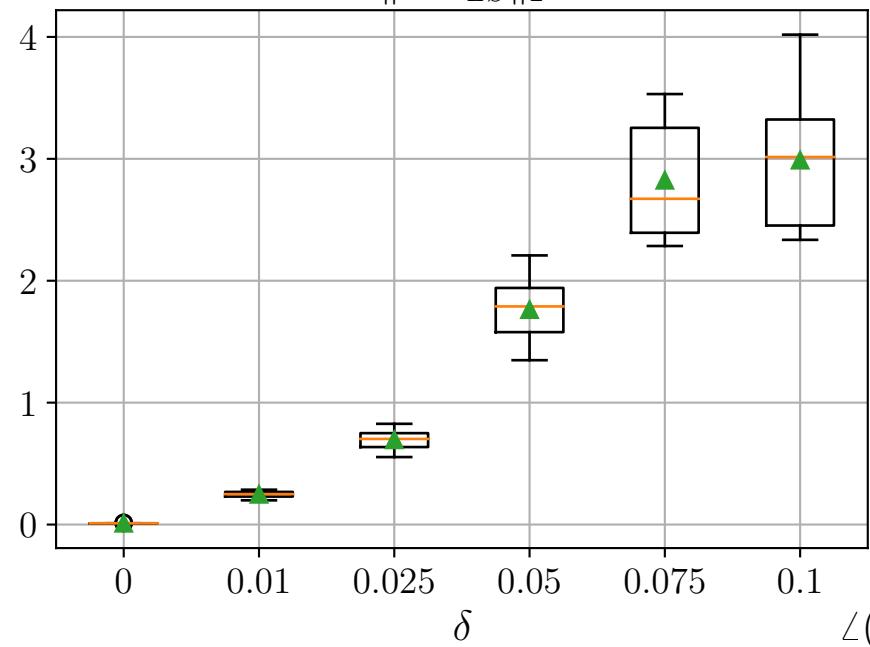


$$\|\Delta \tilde{A}_{LS}\|_2$$

$$\|\Delta \tilde{B}_{LS}\|_2$$



$$\angle(\theta_{LS}, \Delta\tilde{\theta}_{LS})$$

