

Figure 1: Animation movie showing two minima, one at 0 and the other at $\hat{\beta}_0$ for the objective function $-2\hat{\beta}_0\beta + \beta^2 + \frac{2\lambda}{\pi} \arctan(\gamma|\beta|)$ with $\hat{\beta}_0 = 3$, as λ increases from 0.1 to 8.7 with a step-size of 0.1. We used $\gamma = 10$ for this plot. A green vertical line through $\beta = \hat{\beta}_0$ is plotted for reference.