Figure 2: Discretization Effects on PAC-Bayes Certificates

Discretization Error vs Mesh Refinement

Discretization penalty η_h vs Mesh size n_x

Legend:
- $s=3, \sigma=0.05$
- $s=3, \sigma=0.10$
- $s=3, \sigma=0.20$
- $s=5, \sigma=0.05$
- $s=5, \sigma=0.10$
- $s=5, \sigma=0.20$

Certificate Tightness vs Mesh Refinement

Certificate gap ($B_\lambda - \hat{L}$) vs Mesh size n_x

Legend:
- $s=3$ sensors
- $s=5$ sensors