5D Bayesian Optimization Global Uncertainty Reduction
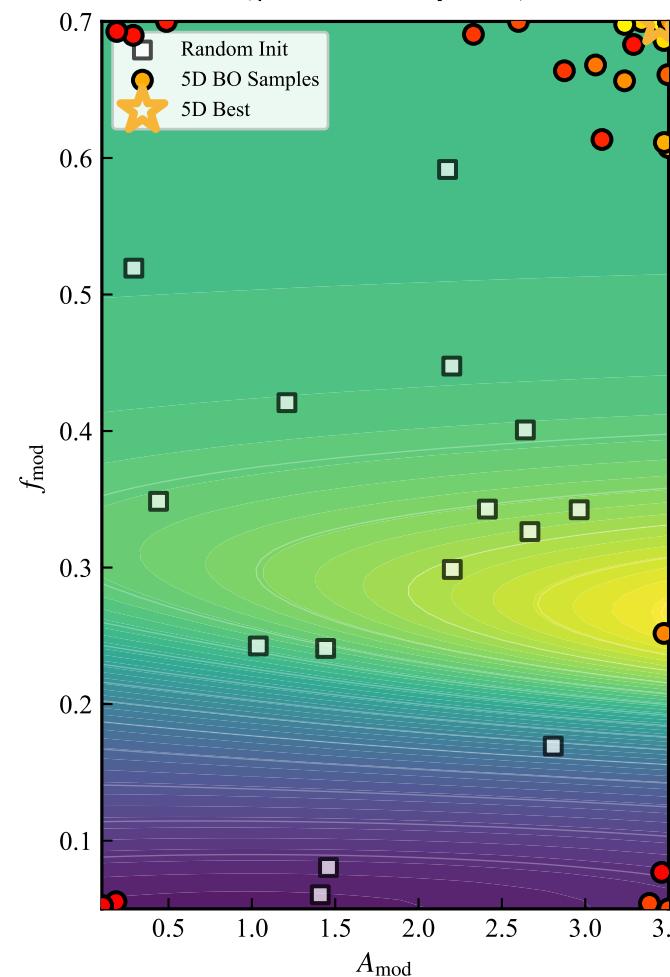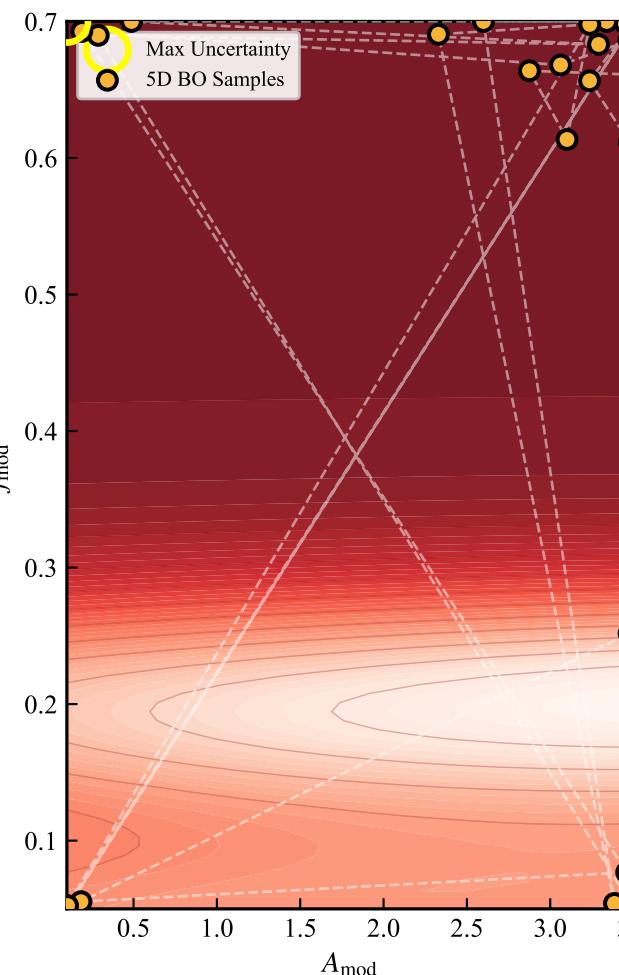
(a) 5D GP Posterior Mean (μ)
(φ=0.25,α=1.32,β=0.62)

- Random Init
- 5D BO Samples
- 5D Best

f_{mod}

A_{mod}

Predicted Score (μ)

(b) 5D GP Uncertainty (σ)

- Max Uncertainty
- 5D BO Samples

f_{mod}

A_{mod}

5D Uncertainty (σ)

(c) 5D Prediction vs Reality

- 5D GP Prediction (μ)
- Actual Score
- 5D Uncertainty (σ)

5D Objective Score

5D Uncertainty (σ)

Iteration