

## Self-adjusting surrogate-assisted optimization techniques for expensive constrained black box problems

Bagheri, S.

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Author: Bagheri, S. Title: Self-adjusting surrogate-assisted optimization techniques for expensive constrained black box problems Issue Date: 2020-04-08 *Figure on the front*: Augmented radial basis function interpolation. Linear combination of weighted cubic radial basis functions and a polynomial tail fitting a curve to the evaluated points.

Figure on the back: Gaussian process modeling. Posterior function distribution given the evaluated points using a Gaussian kernel.



Self-Adjusting Surrogate-Assisted Optimization Techniques for Expensive Constrained Black Box Problems

## Samineh Bagheri





Self-Adjusting Surrogate-Assisted Optimization Techniques

for

Expensive

**Constrained Black** 

Box

Problems