

# Hybrid Optimization for Mixed-Integer Nonlinear Problems via a Genetic Algorithm and Implicit Filtering

PhD Defense

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April 13, 2017

Optimization for  
Mixed-Integer  
Nonlinear  
Problems via a  
Genetic Algorithm  
and Implicit  
Filtering

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Introduction  
1998, 7

Methods  
Implicit Filtering  
Genetic Algorithms  
iFEA

Numerical Results

Sensitivity  
Analysis

Cognitive  
Neuroscience  
Application  
Modeling Attentive  
Responses

Catchment Basin  
Design

Objective Function  
Reformulation

Conclusions

