

# DEMO article

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**Abstract**—Pandoc template for IEEE style papers, support figures, (ordered and unordered) lists, tables, algorithms(via raw latex) and ieee-style bibliography.

**Index Terms**—Pandoc template; IEEE format; Whatever

## I. OUTLINE

- Pandoc template for my weekly report in my research group meeting
- What's in this demo:
  1. Figures, like Fig. 1, Tables, like Tbl. I, Equations, like Eq. 1
  2. Algorithms
  3. IEEE style bibliography[1, 2, 3, 4, 5, 6]
- See Sec. II

## II. DEMO

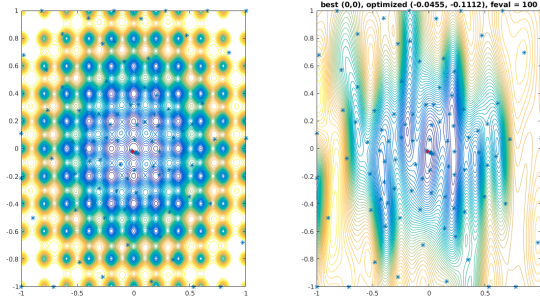


Fig. 1. Ackley function and the model after optimization

TABLE I  
A TABLE

Language	Good or Bad
Haskell	Good
PHP	Bad

$$a^2 + b^2 = c^2 \quad (1)$$

## Algorithm 1 Bayesian Optimization

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```

1: Initial Sampling
2: Construct GP model
3: for t = 1, 2, ... do
4:   Find  $x_t$  that minimizes LCB
5:   Sample  $y_t = f(x_t) + \epsilon_t$ 
6:   Update GP model
7: end for
8: return best  $f(x)$  recorded during iterations

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## REFERENCES

- [1] I. Couckuyt, T. Dhaene, and P. Demeester, “ooDACE toolbox: A flexible object-oriented kriging implementation,” *Journal of Machine Learning Research*, vol. 15, no. 1, pp. 3183–3186, 2014.
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- [4] M. A. Gelbart, “Constrained bayesian optimization and applications,” PhD thesis, 2015.
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