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 Figure 1, tables, like Table I, equations, like Equation 1
  2. Algorithms
  3. IEEE style bibliography[1, 2, 3, 4, 5, 6]
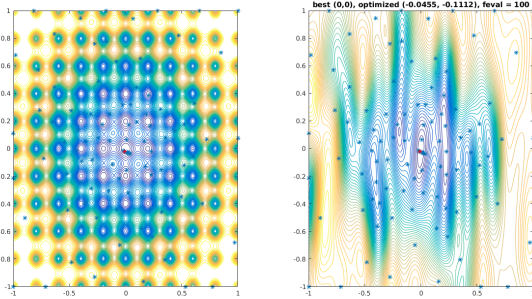- See Section II

II. DEMO

Fig. 1. Ackley function and the model after optimization

TABLE I
A TABLE

Language	Good or Bad
Haskell	Good
PHP	Bad

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

Algorithm 1 Bayesian Optimization

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

References

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[4] M. A. Gelbart, "Constrained bayesian optimization and applications," PhD thesis, 2015.

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