



# 并行计算大作业 ——并行优化矩阵乘法

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2019.12.27

**ECNUBeamerTemplate** 





## Outline

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Introduction

Photo

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## code: title

### code: title

```
inline void flush() {
    fwrite(buffer, 1, s-buffer, stdout);
    s = buffer;
    fflush(stdout);
inline void print(const char ch) {
   // putchar(ch); return;
    if (s-buffer>OutputBufferSize-2) flush();
    *s++ = ch;
```

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# Backgrounds

- 1111111111111
- 22222222222
- 3333333333333
- 4444444444444





图: hahahaha...



2019.12.27

### Emmm...

#### **Sequence Tagging Loss**

$$\mathcal{L}_p = -\sum_{i=1}^{S} \sum_{i=1}^{N} p_{i,j} \log(\hat{p}_{i,j})$$

#### Language Classifier Loss

$$\mathcal{L}_a = -\sum_{i=1}^{S} l_i \log(\hat{l}_i)$$

#### **Bidirectional Language Model Loss**

$$\mathcal{L}_{l} = -\sum_{i=1}^{S} \sum_{j=1}^{N} \log(P(w_{j+1}|f_{j})) + \log(P(w_{j-1}|b_{j}))$$

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## References



Xuezhe Ma and Eduard Hovy. (2016).

End-to-end Sequence Labeling via Bi-directional LSTM-CNNs-CRF.

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Marek Rei. (2017).

Semi-supervised Multitask Learning for Sequence Labeling. In Proceedings of the 55th Annual Meeting of the Association for Computational Linguistics, pages 2121–2130, Vancouver, Canada, July 30 - August 4, 2017.

