

Junxiang Wang, Fuxun Yu, Xiang Chen and Liang Zhao

Research Track Poster# 104 see you on August 6th 7:00pm-9:30pm !

Feel free to contact Junxiang Wang(jwang40@gmu.edu).

Homepage: https://xianggebenben.github.io/Junxiang_Wang/

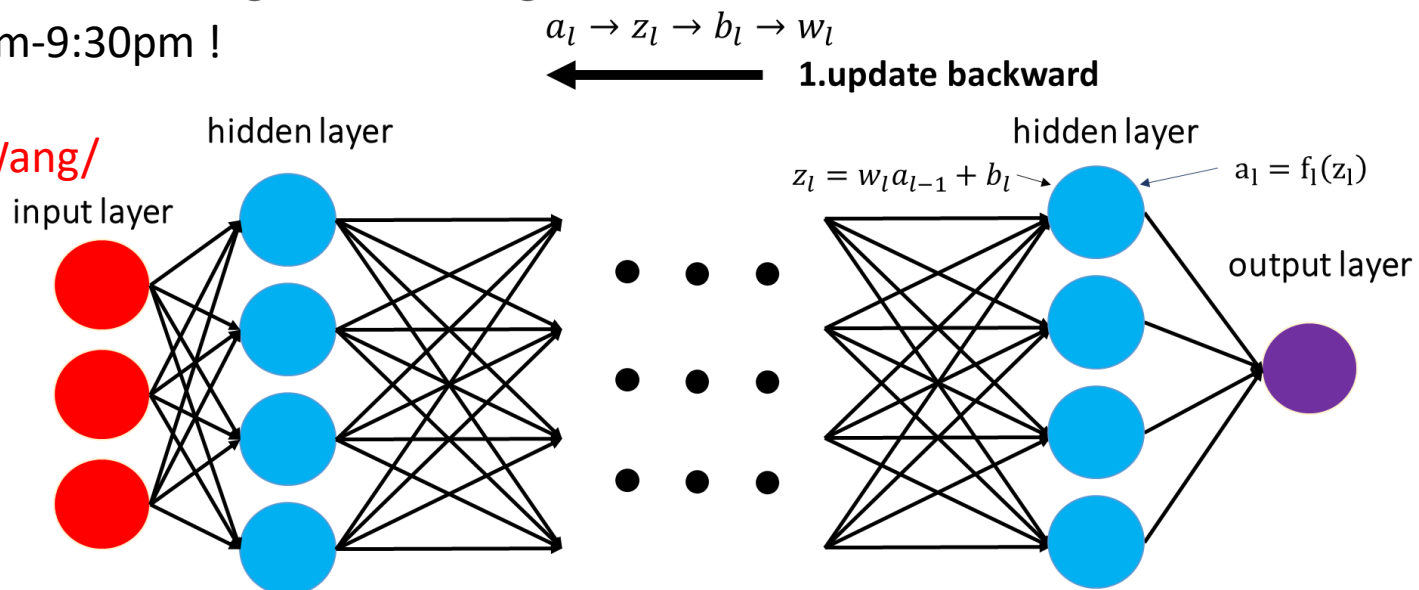
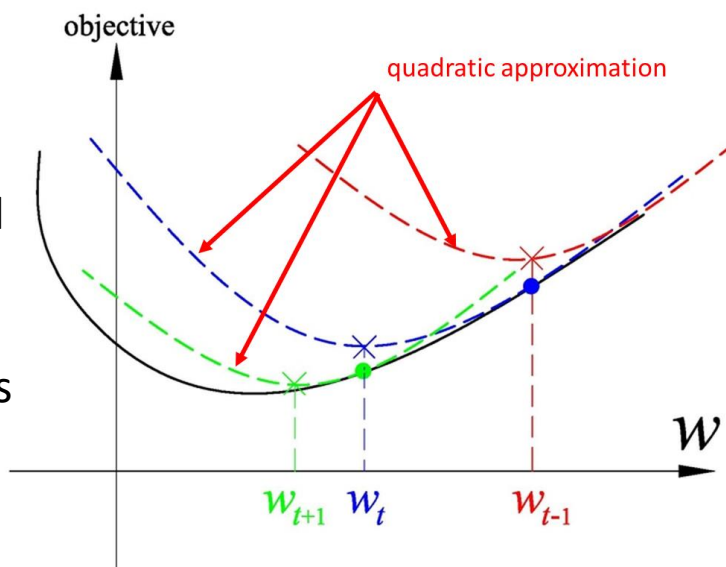
The code is available at

<https://github.com/xianggebenben/dlADMM>.

The contributions of our paper:

1. Update parameters **backward** and then **forward** to exchange information efficiently, so that the convergence can be accelerated.

2. Quadratic approximation technique is applied to **avoid the matrix inversion** when solving subproblems of ADMM.



3. The ADMM-type method is **firstly** proven by us to converge to **a critical point** of deep learning problems.

2.update forward
 $w_l \rightarrow b_l \rightarrow z_l \rightarrow a_l$

