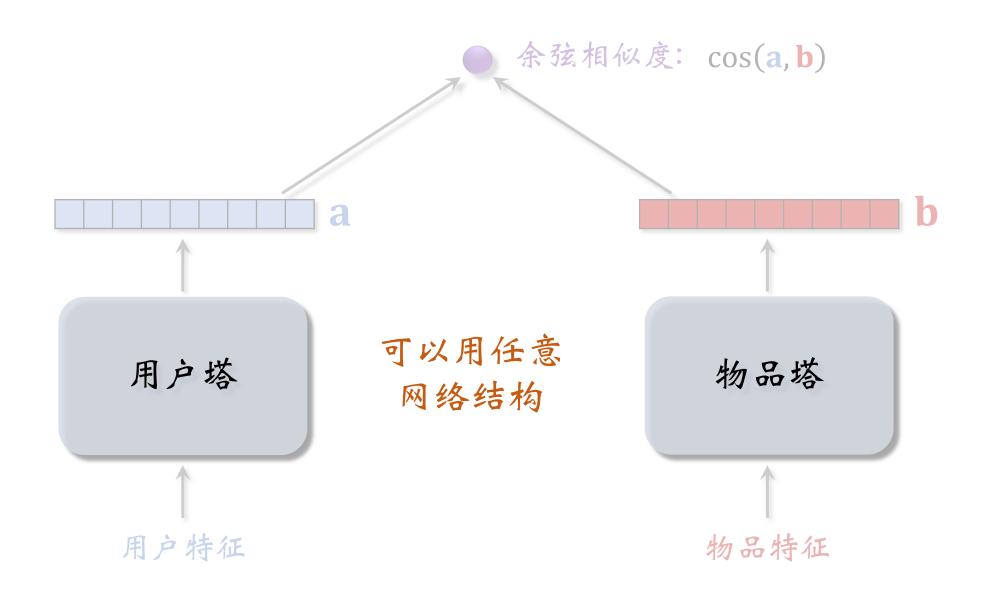
深度交叉网络 (DCN)

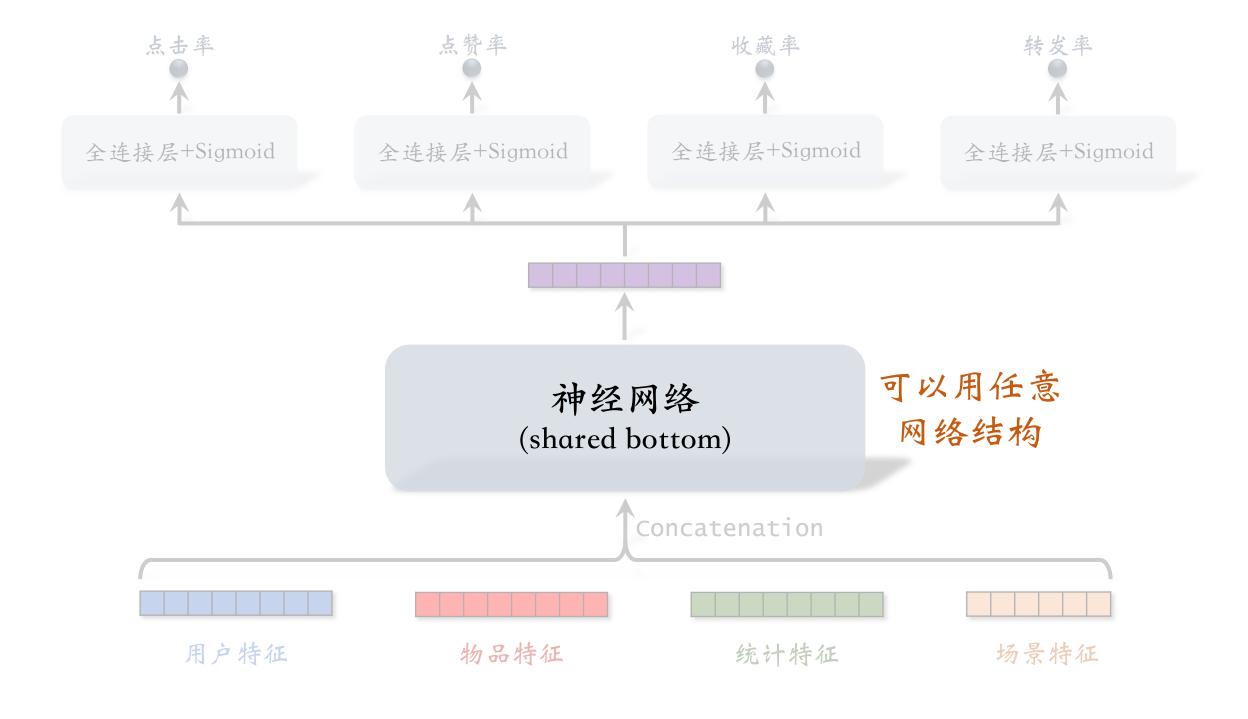
王树森

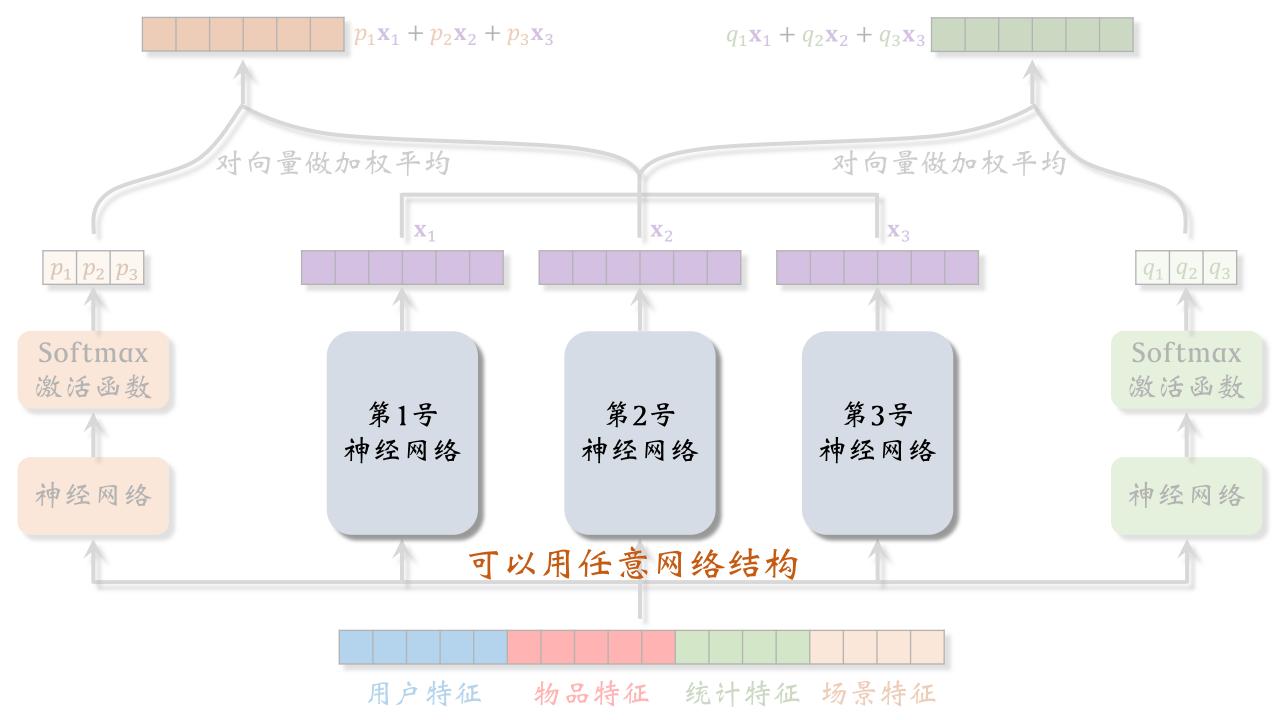


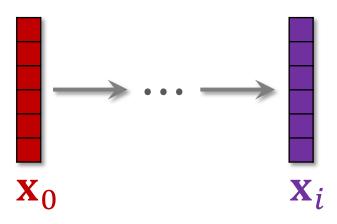
召回、排序模型

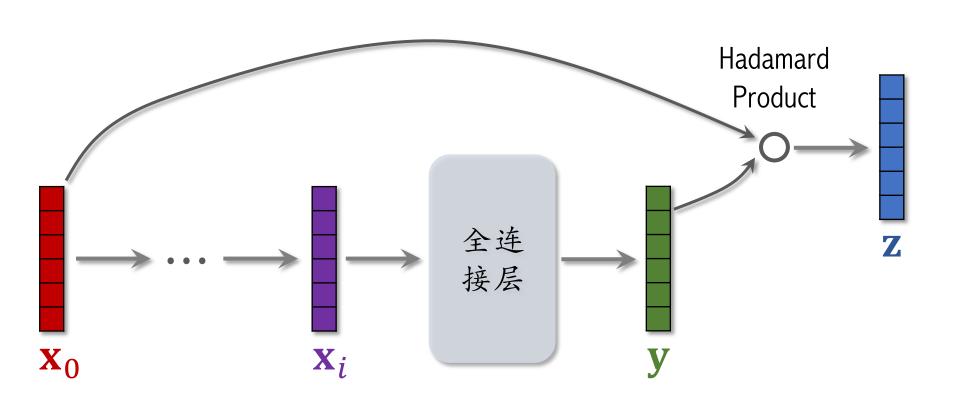
双塔模型

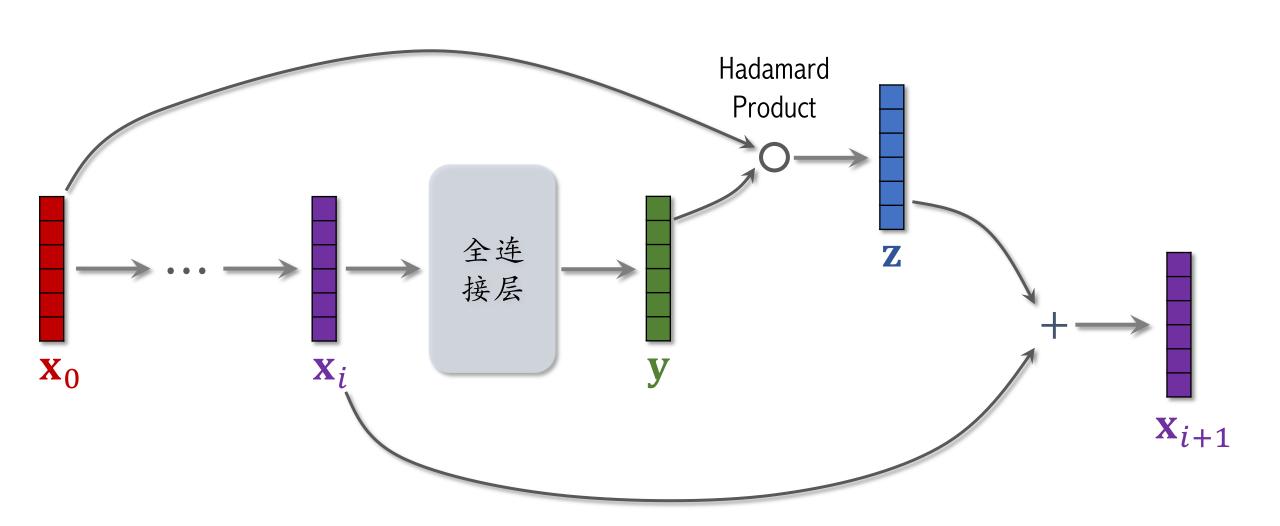


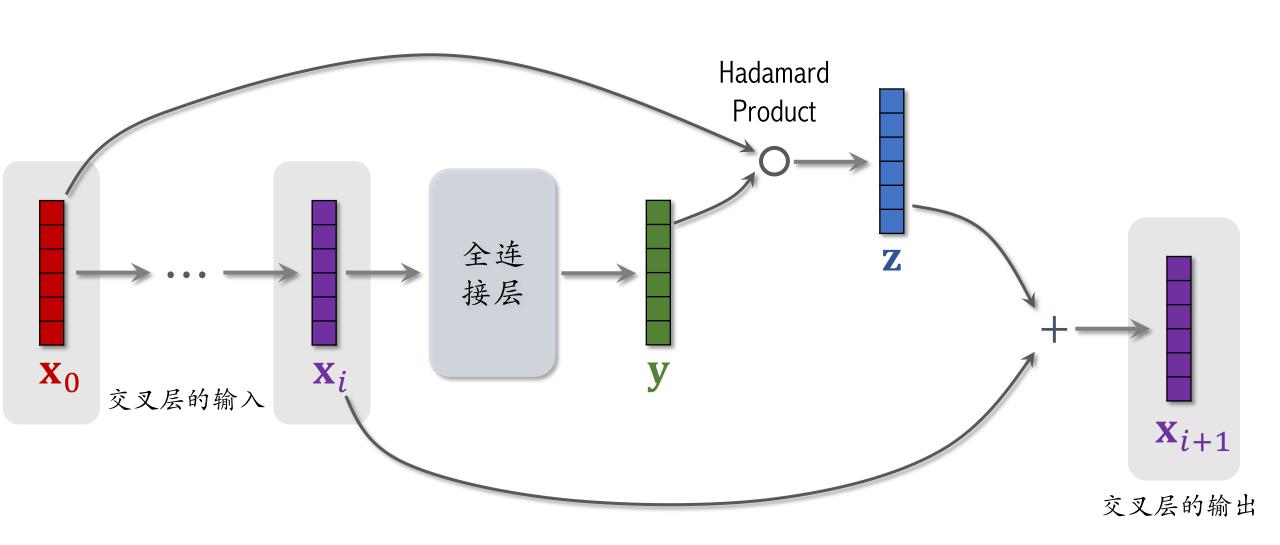


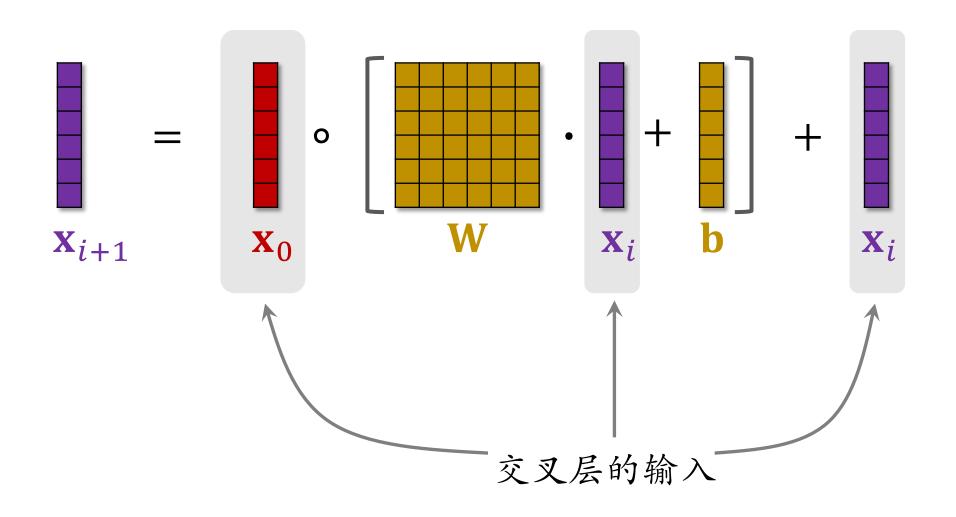


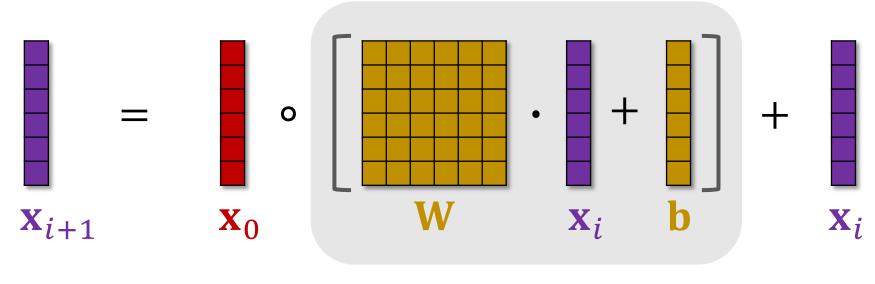




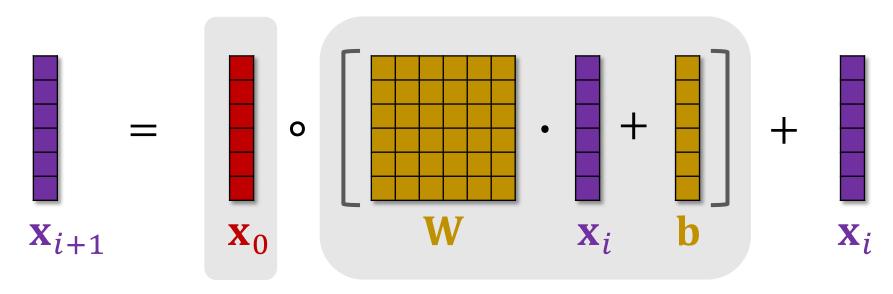




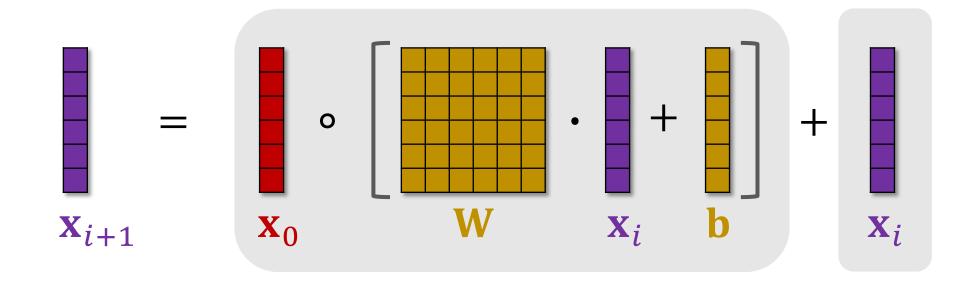


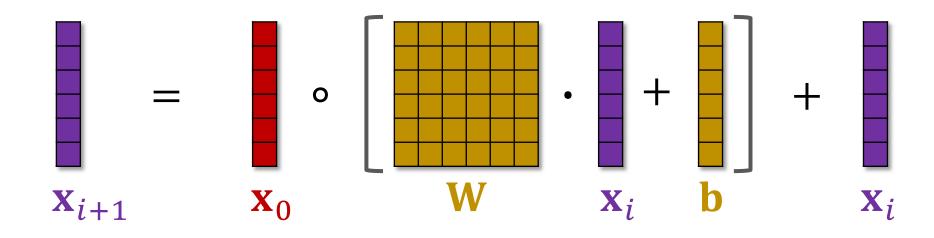


全连接层



Hadamard Product

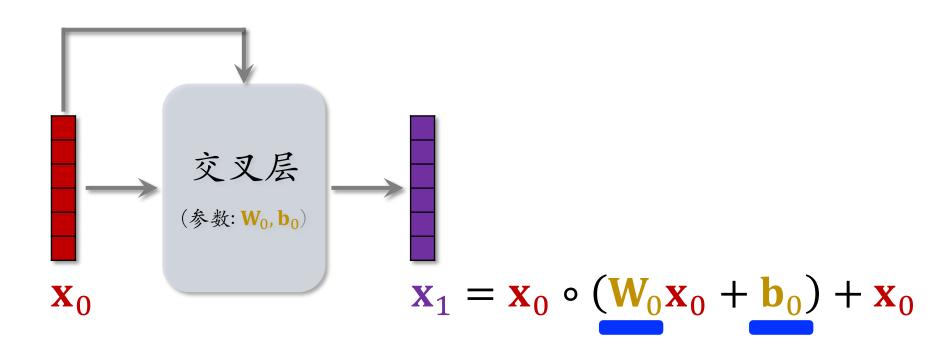




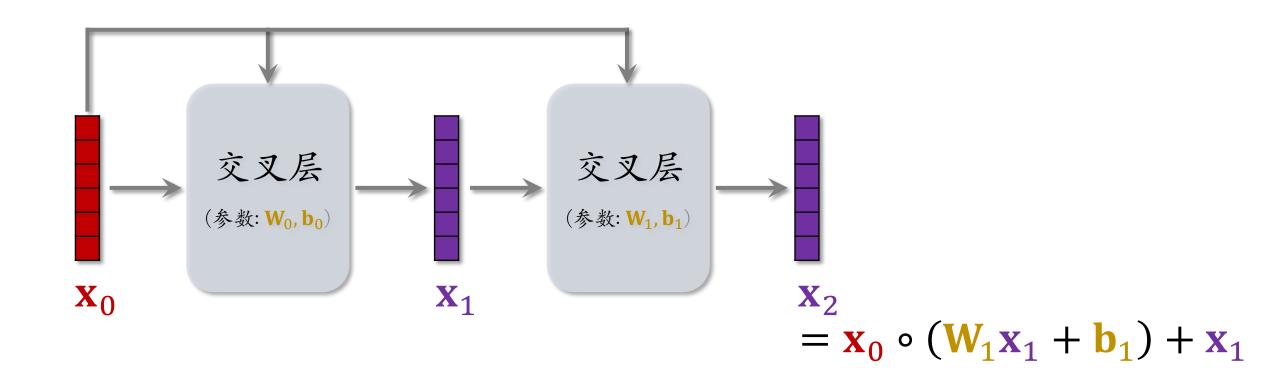
输出

交叉网络 (Cross Network)

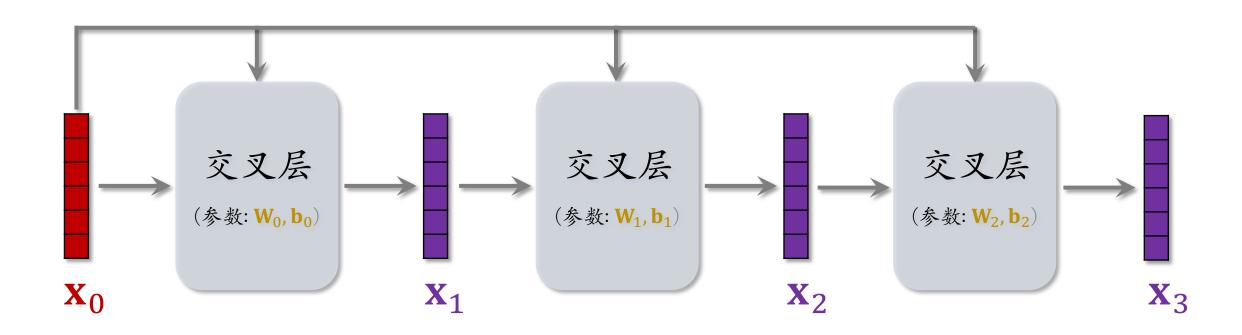
交叉网络 (Cross Network)



交叉网络 (Cross Network)



交叉网络 (Cross Network)



参考文献

- 这节课介绍的是 Cross Network V2 [1]。
- 老版本的 Cross Network 在论文 [2] 中提出。

参考文献:

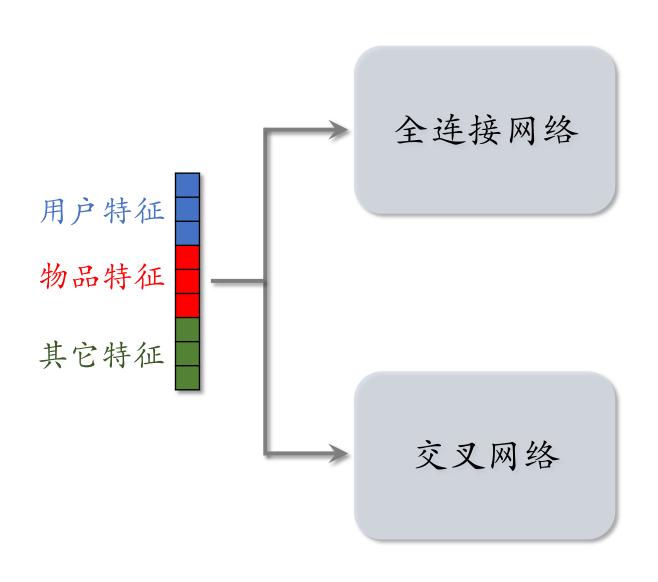


1. Ruoxi Wang et al. DCN V2: Improved Deep & Cross Network and Practical Lessons for Web-scale Learning to Rank Systems. In *WWW*, 2021.

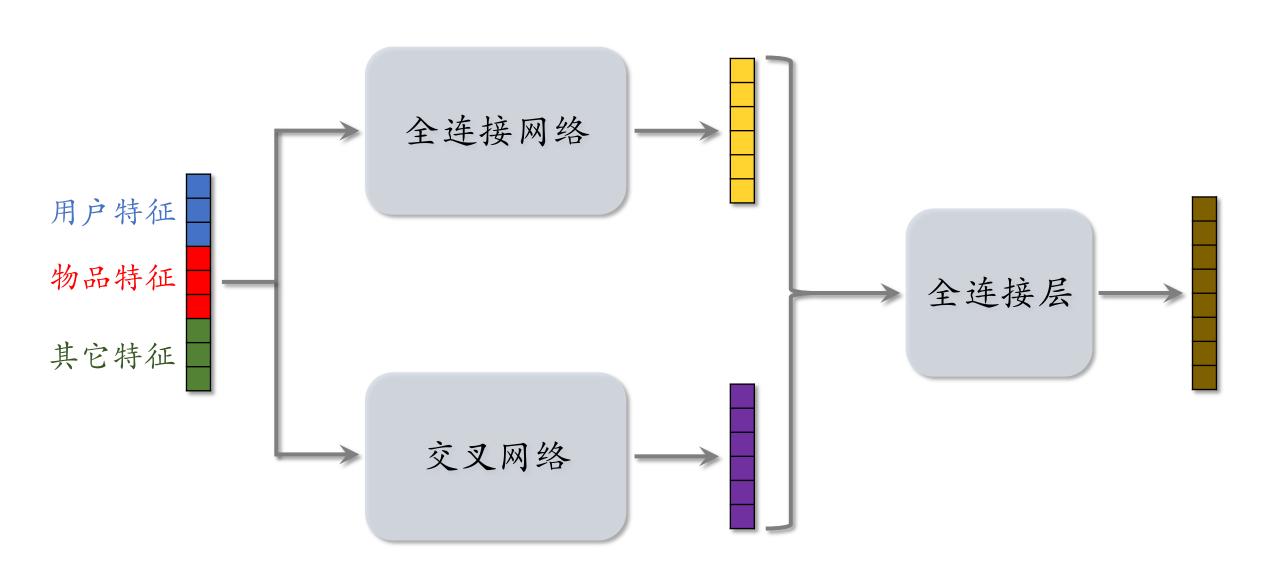


2. Ruoxi Wang et al. Deep & Cross Network for Ad Click Predictions. In *ADKDD*, 2017.

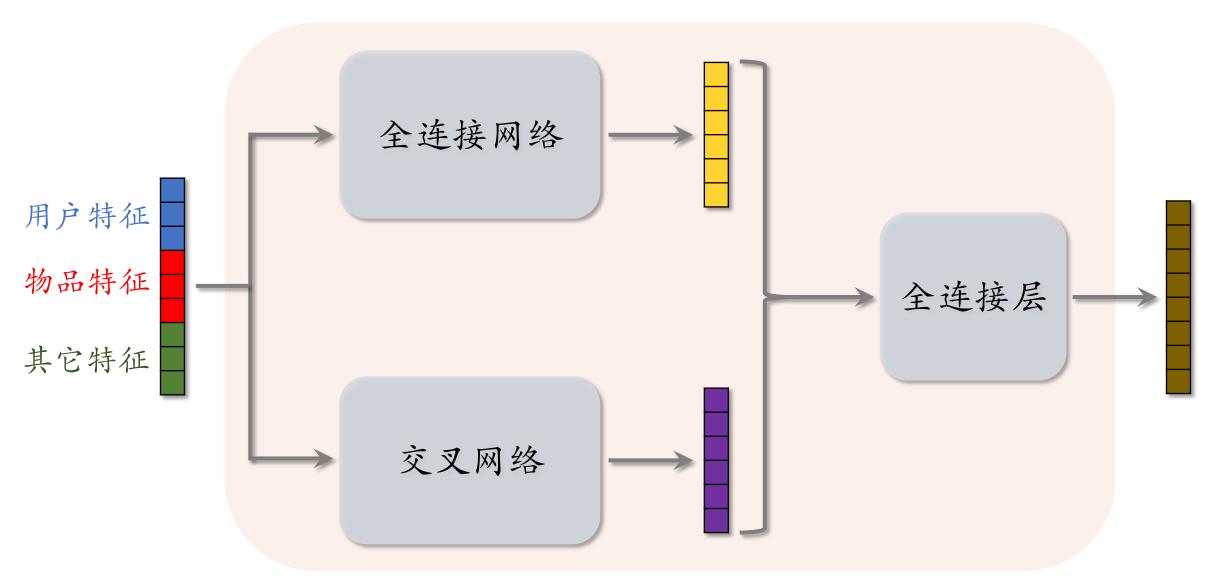
深度交叉网络 (Deep & Cross Network)



深度交叉网络 (Deep & Cross Network)



深度交叉网络 (Deep & Cross Network)



深度交叉网络

Thank You!