

Q4: Related work to the hypergraph neural network is missing

A4: Thanks for your suggestions. We will add references about hypergraph neural networks to the related work in the final version:

There are also some studies combining hypergraph learning with recommender systems, including [1][2][3][4], which use hypergraph to model the short-term user preference for next-item recommendations. We would carefully review this field and discuss the difference between them and our method in the revised version.

- [1] Bu, Jiajun, et al. "Music recommendation by unified hypergraph: combining social media information and music content." *Proceedings of the 18th ACM International Conference on Multimedia*. 2010.
- [2] , Lei, and Tao Li. "News recommendation via hypergraph learning: encapsulation of user behavior and news content." *Proceedings of the sixth ACM international conference on Web search and data mining*. 2013.
- [3] Wang, Jianling, et al. "Next-item recommendation with sequential hypergraphs." *Proceedings of the 43rd international ACM SIGIR conference on research and development in information retrieval*. 2020.
- [4] Xia, Xin, et al. "Self-supervised hypergraph convolutional networks for session-based recommendation." *Proceedings of the AAAI conference on artificial intelligence*. Vol. 35. No. 5. 2021.