Accepted Manuscript

Collective iteration behavior for online social networks

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PII: \$0378-4371(18)30139-0

DOI: https://doi.org/10.1016/j.physa.2018.02.069

Reference: PHYSA 19189

To appear in: Physica A

Received date: 18 September 2017 Revised date: 5 December 2017



Please cite this article as: J. Liu, R. Li, Q. Guo, Y. Zhang, Collective iteration behavior for online social networks, *Physica A* (2018), https://doi.org/10.1016/j.physa.2018.02.069

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There are robust social signatures of interactions no matter how friend changes over time.

The model shows that new users intend to look for the old users with strong ties while old users have tendency to interact with new friends.

The presented model can reproduce the heterogeneity of social signature by adjusting the number of communicating targets and the max number of interactions.

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