

Review of: "Determining Affinity of Social Network using Graph Semirings"

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Potential competing interests: No potential competing interests to declare.

This paper uses graph semirings for determining the stability and affinity of connections between different social groups, using a Facebook friendship network.

Weaknesses

1. From the abstract, it is unclear what the authors' motivation is, as no research gap is articulated.
2. "Semiring" is a core concept of this paper, yet the authors do not explicitly explain it in any sections.
3. In the introduction, the authors state that "the graph theory has been a favorable platform for describing and analyzing the networks". "Favorable" is a very strong word. The authors should make sure that it is accurate, by elaborating on it and/or adding more references.
4. The introduction seems more like a "method" section. The authors should focus more on stating their motivation and stressing the importance of the need to bring up the proposed method.
5. The case study is only on Facebook friendship networks, which is limited.

The current version of the paper needs major revision to be published.