(a) Facebook

(b) YouTube

FIG. 6: (Color online) The variations of C during the removal of ties. The diffusing time is $T_{Facebook} = |V|$ and $T_{YouTube} = 10^4$. We perform the experiments 20 times for $\alpha = 0$ and $\beta = 0.01$, and return the mean value as the final result.
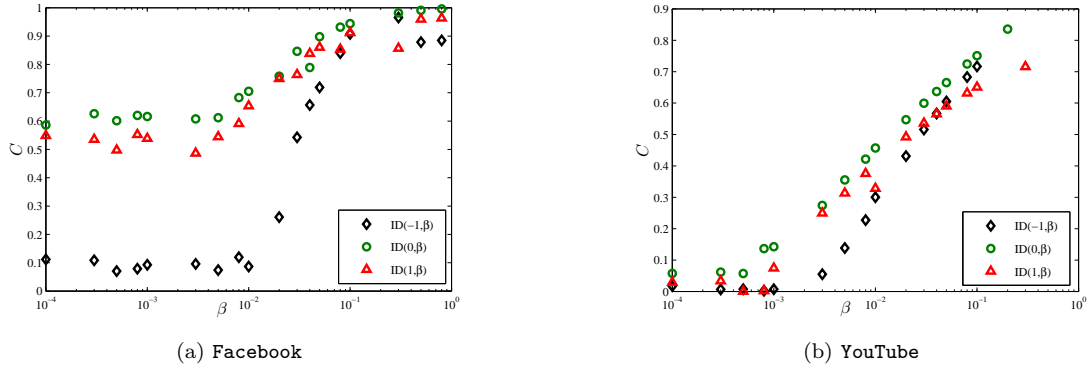

(a) Facebook

(b) YouTube

FIG. 7: (Color online) The increment of C when β grows in the log-scale. We perform the experiments for each pair of α and β 20 times and return the mean value as the final result.

[1] *Facebook*, http://www.facebook.com.
[2] *Flickr*, http://www.flickr.com.
[3] *Youtube*, http://www.youtube.com.
[4] *Twitter*, http://www.twitter.com.
[5] *Livejournal*, http://www.livejournal.com.
[6] *Orkut*, http://www.orkut.com.
[7] *Xiaonei*, http://www.xiaonei.com.
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