EGOIST : A scalable SNS-inspired System

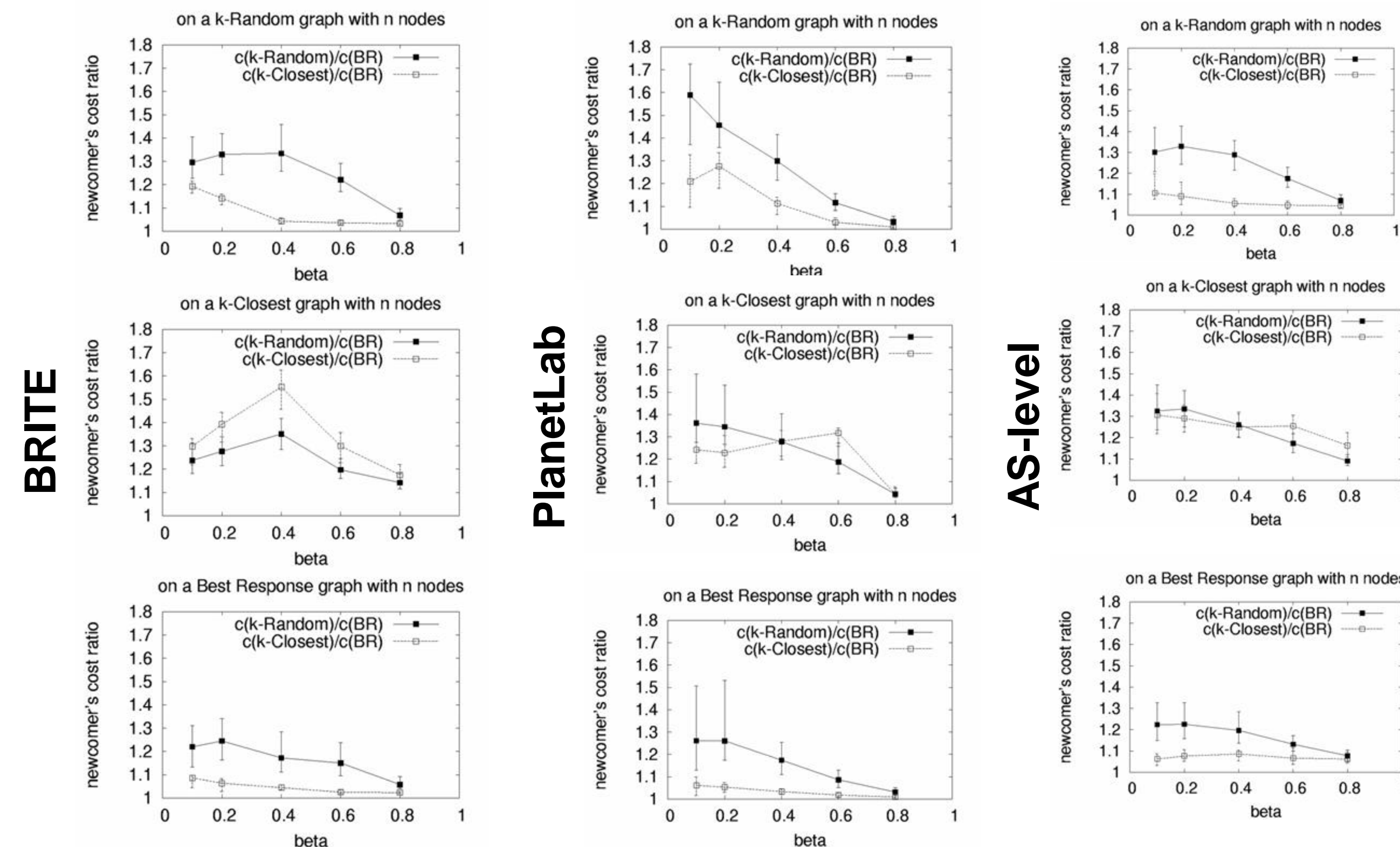## Social Cost of Stable Wirings

Single Capacitated
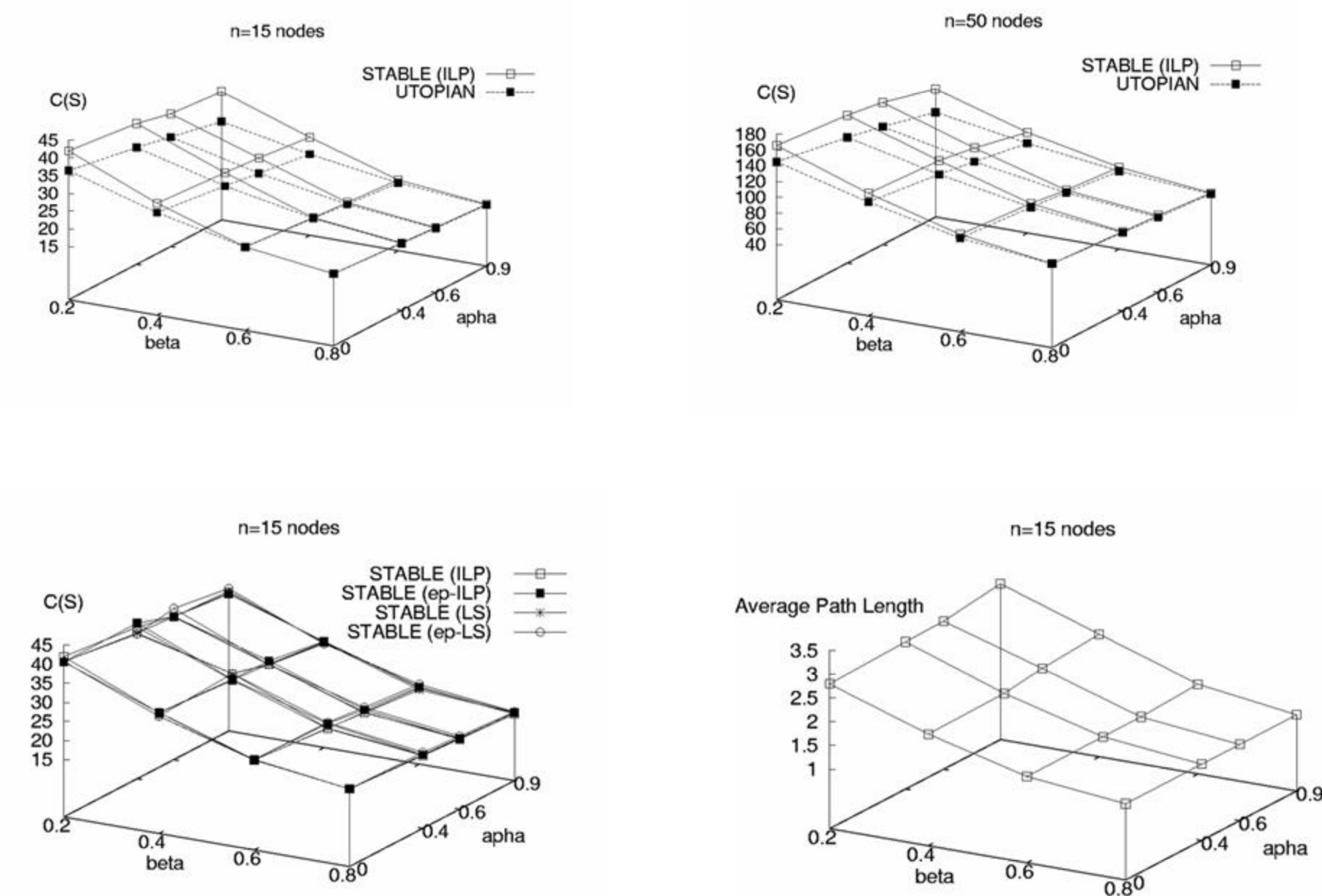
Double Capacitated
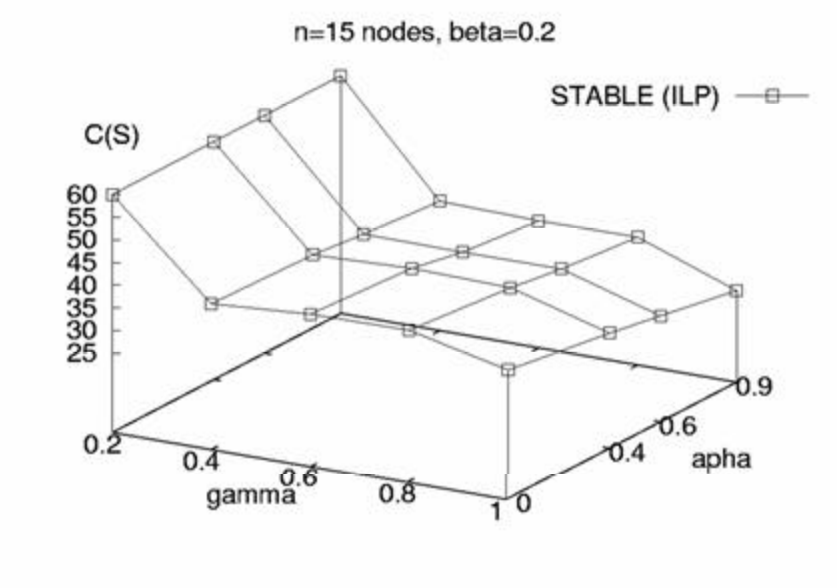
Experiments and Implications

	beta=0.1		beta=0.2		beta=0.4		beta=0.6		beta=0.8	
	k-Random/BR	k-Closest/BR	k-Random/BR	k-Closest/BR	k-Random/BR	k-Closest/BR	k-Random/BR	k-Closest/BR	k-Random/BR	k-Closest/BR
BRITE	1.44	1.53	1.52	1.84	1.38	2.07	1.28	1.46	1.09	1.16
PlanetLab	2.23	1.48	1.75	1.23	1.37	1.13	1.09	1.16	1.04	1.06
AS-level	2.04	1.9	1.83	1.61	1.58	1.39	1.24	1.23	1.12	1.16

Under Churn

Active Probing

Network Coordinates

System Load

Available Bandwidth

With Incomplete Information

Improving Search performance in Unstructured P2P systems

Publications:

[1] "Implications of Selfish Neighbor Selection in Overlay Networks"
Nikolaos Laoutaris, Georgios Smaragdakis, Azer Bestavros and John W. Byers.
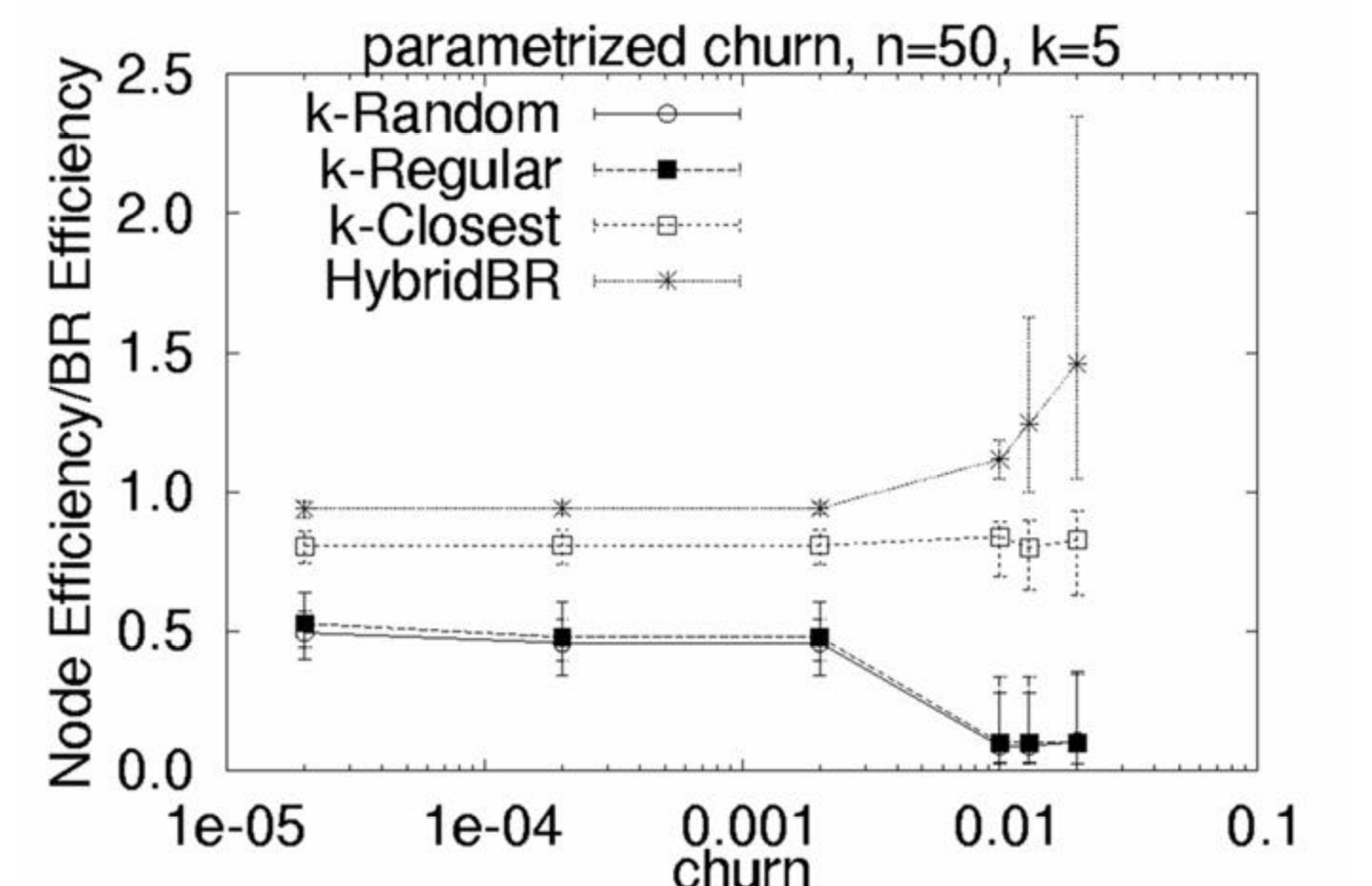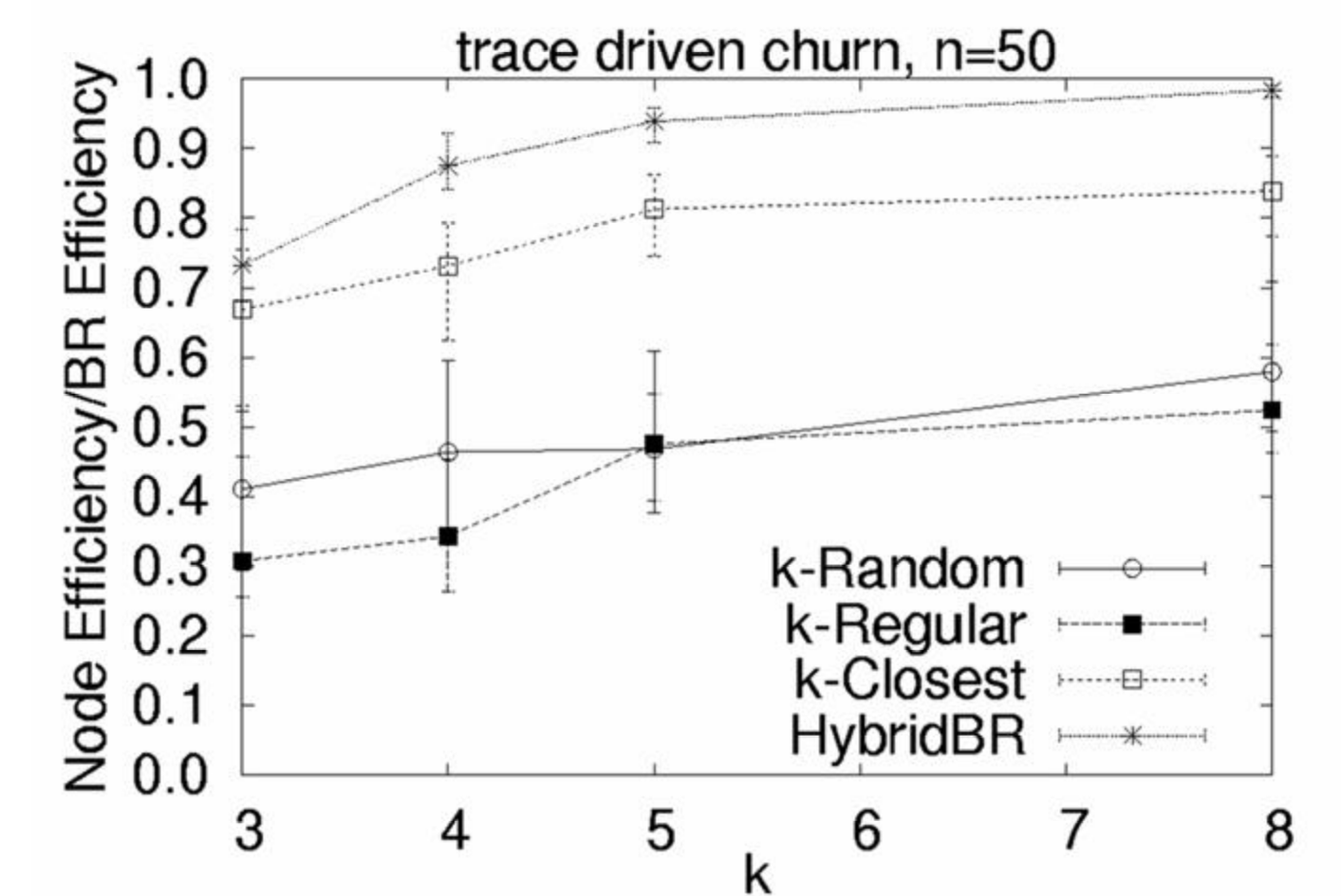IEEE INFOCOM 2007.

References:

[2] "Improving the Performance of Overlay Routing and P2P File Sharing using Neighbor Selection"
Georgios Smaragdakis, Nikolaos Laoutaris, Azer Bestavros, John W. Byers and Mema Roussopoulos. Under Submission.

[3] "A bounded-degree network formation game"
Nikolaos Laoutaris, Rajmohan Rajaraman, Ravi Sundaram, Shang-Hua Teng.
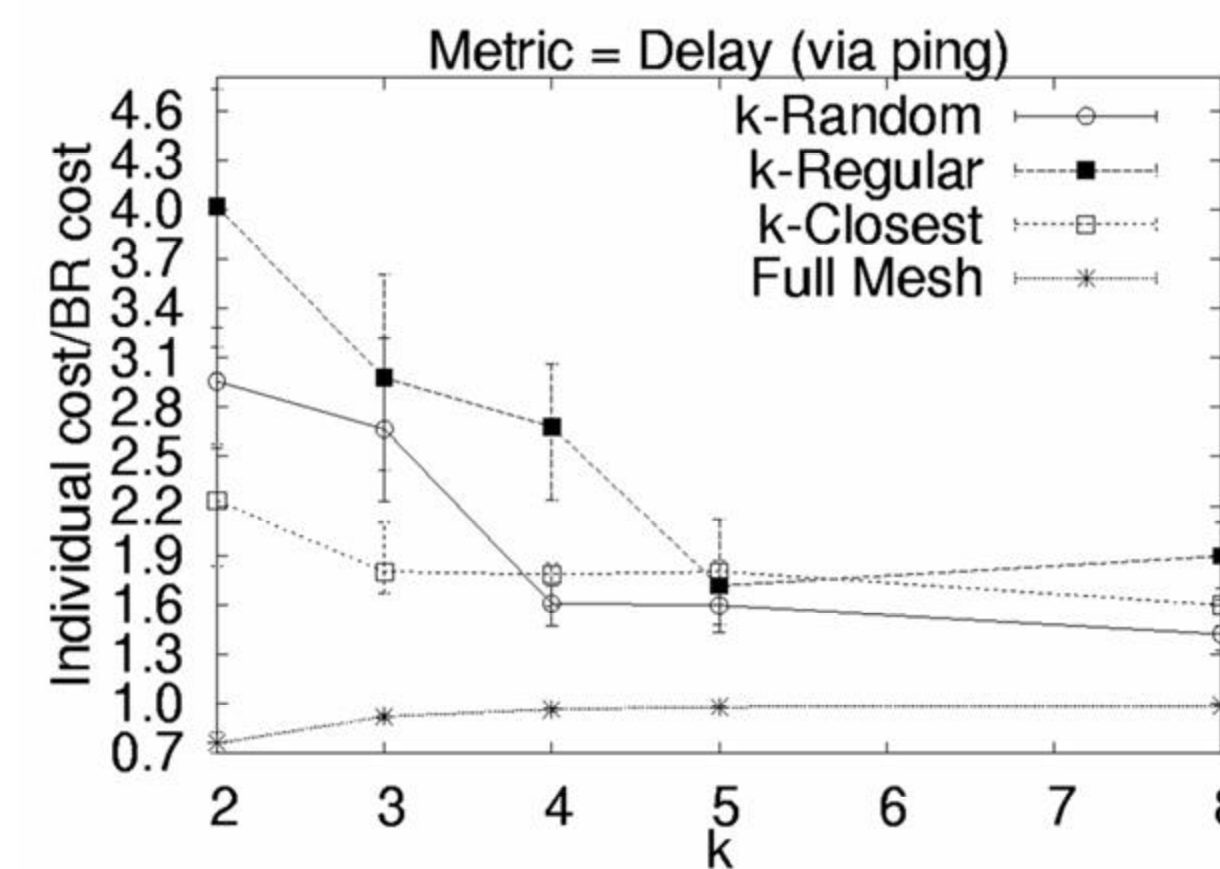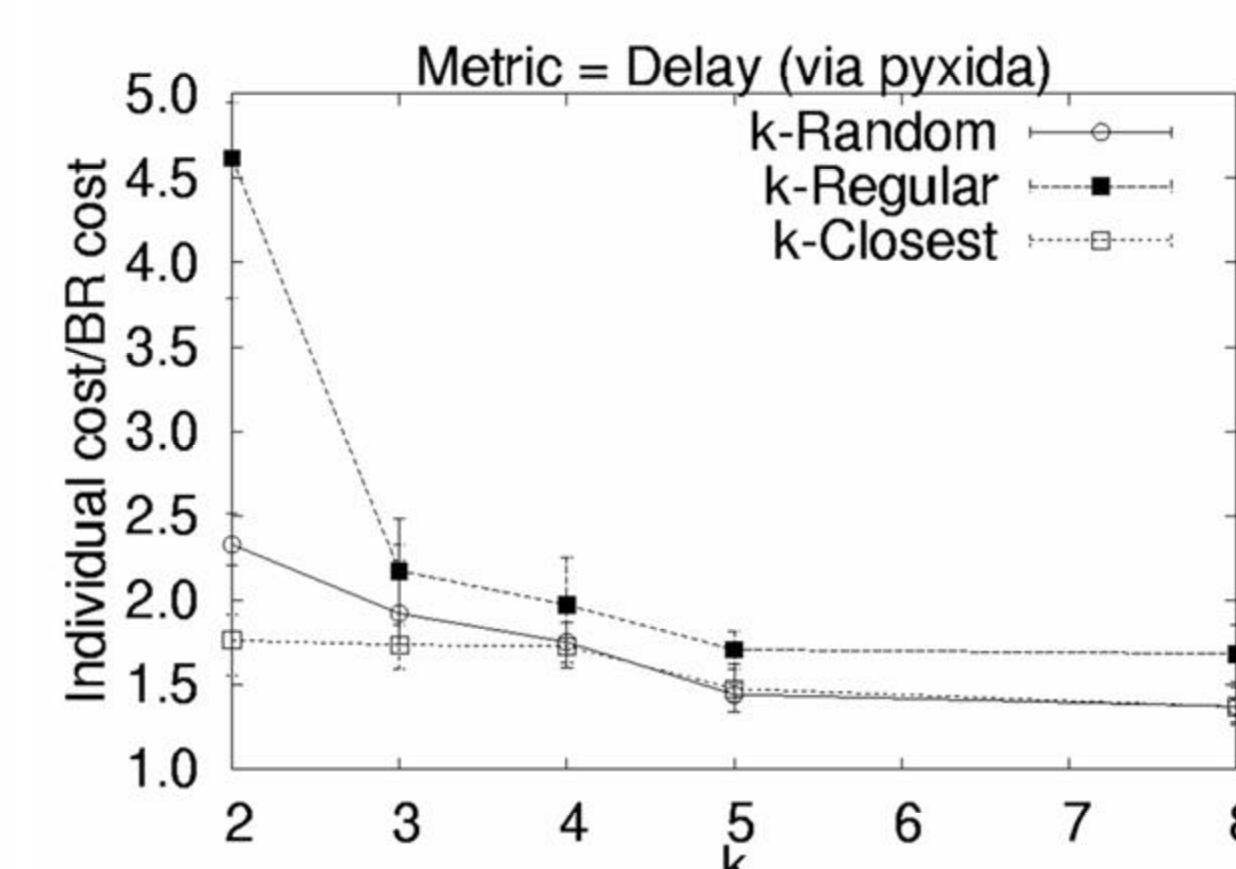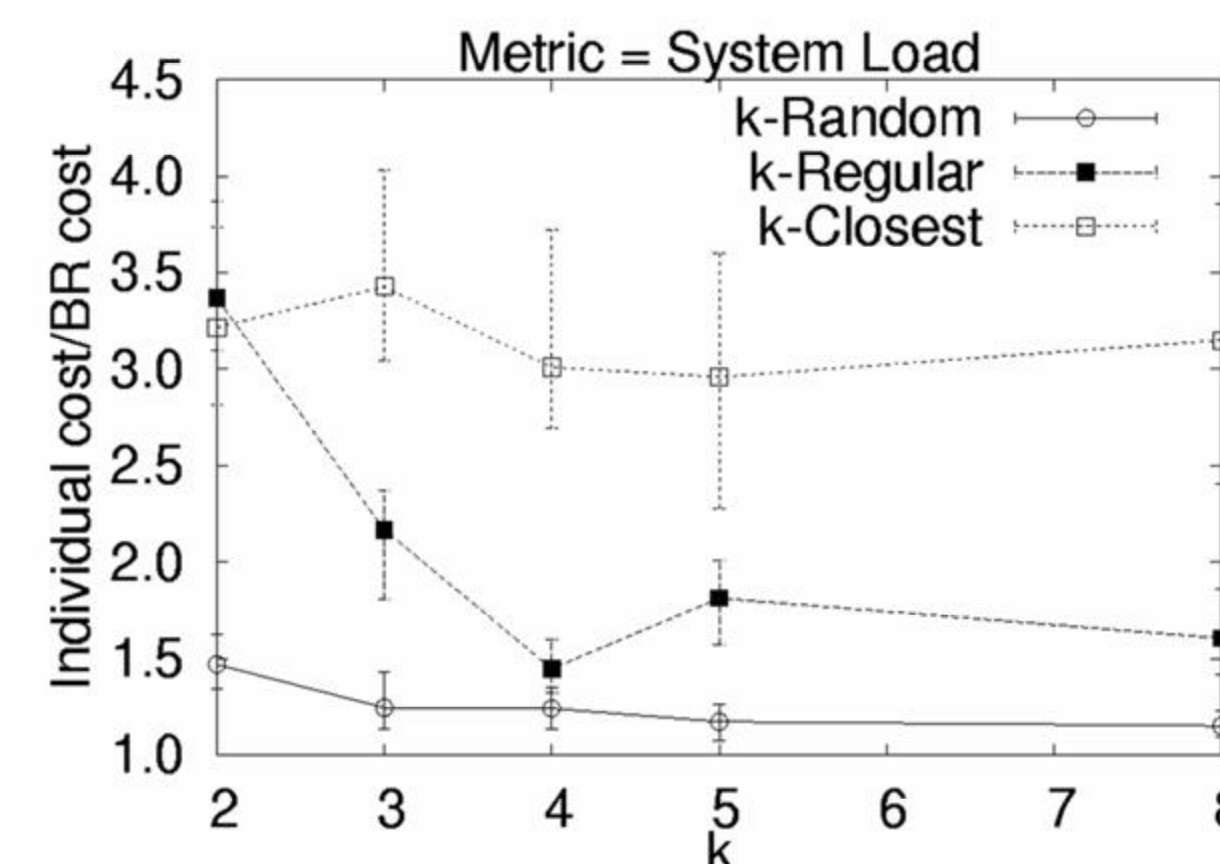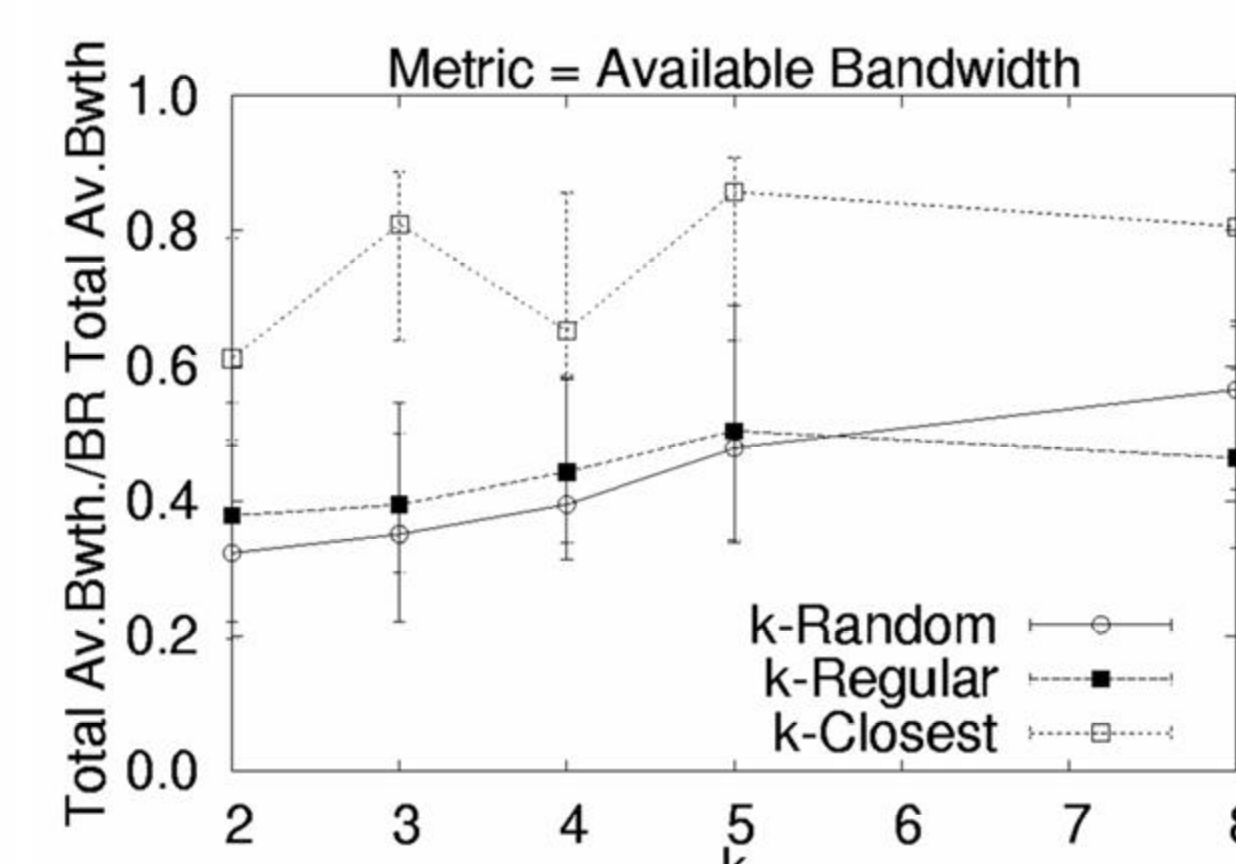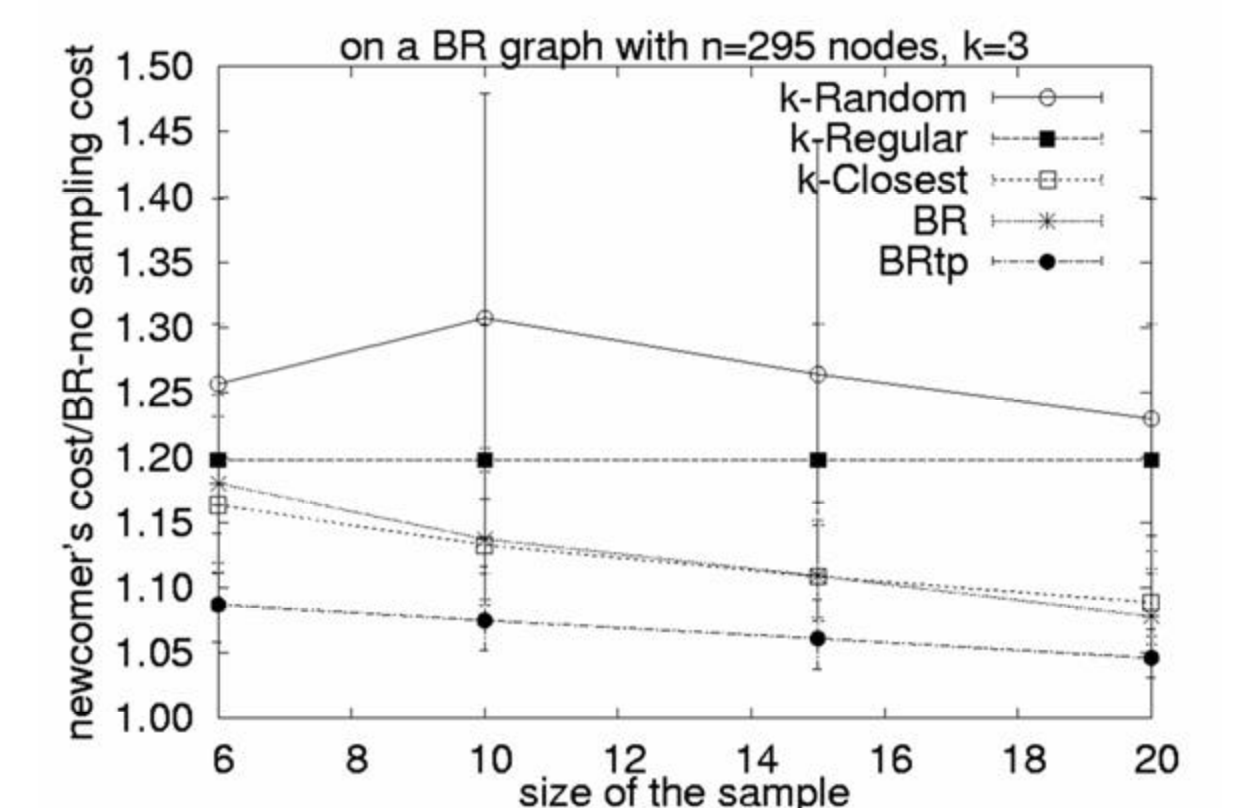arXiv-CoRR cs.GT/0701071.