

A comparison of two interaction based random graph models

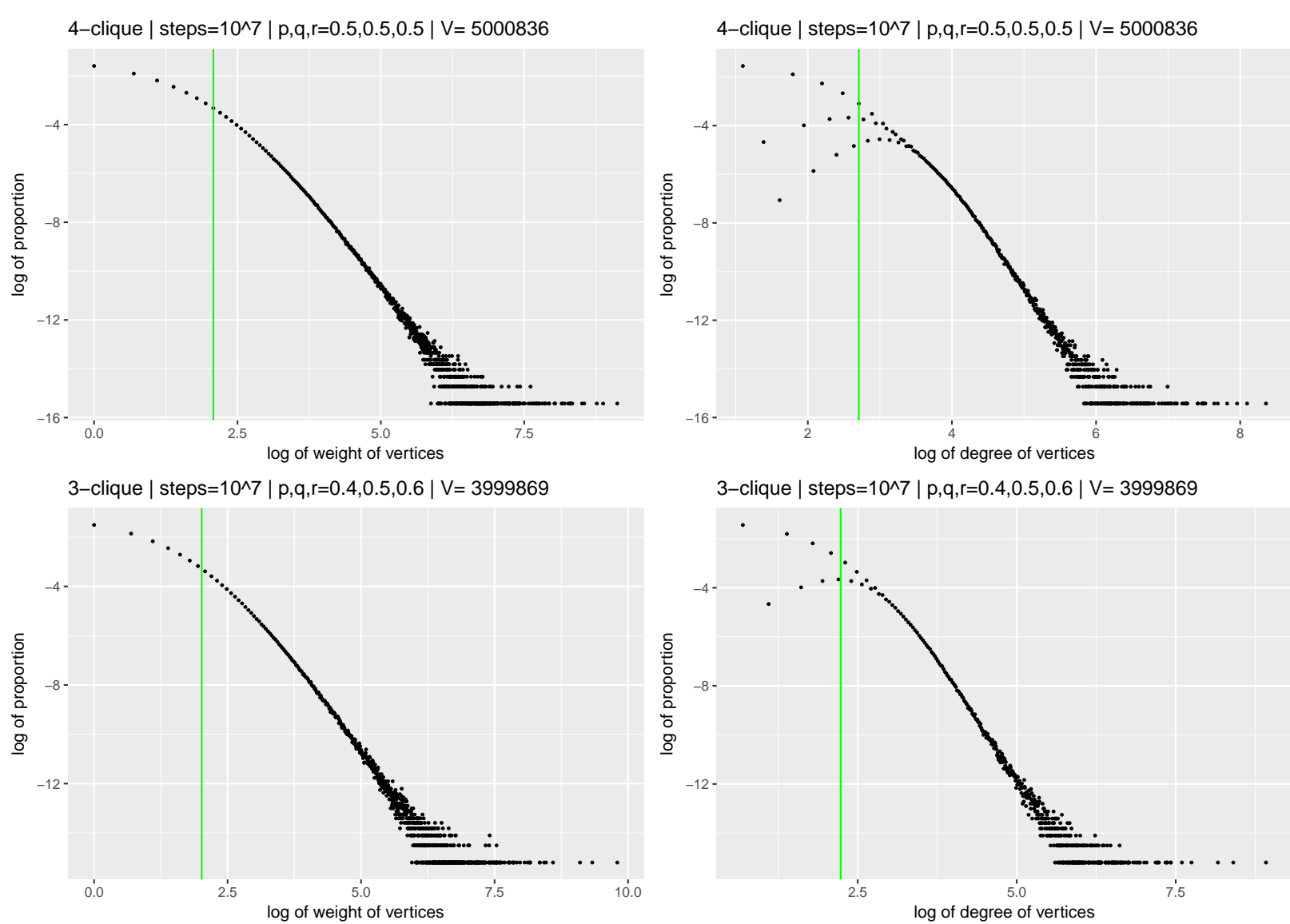
Cs.Noszály, N.Uzonyi - Faculty of Informatics, University of Debrecen

The N-clique model

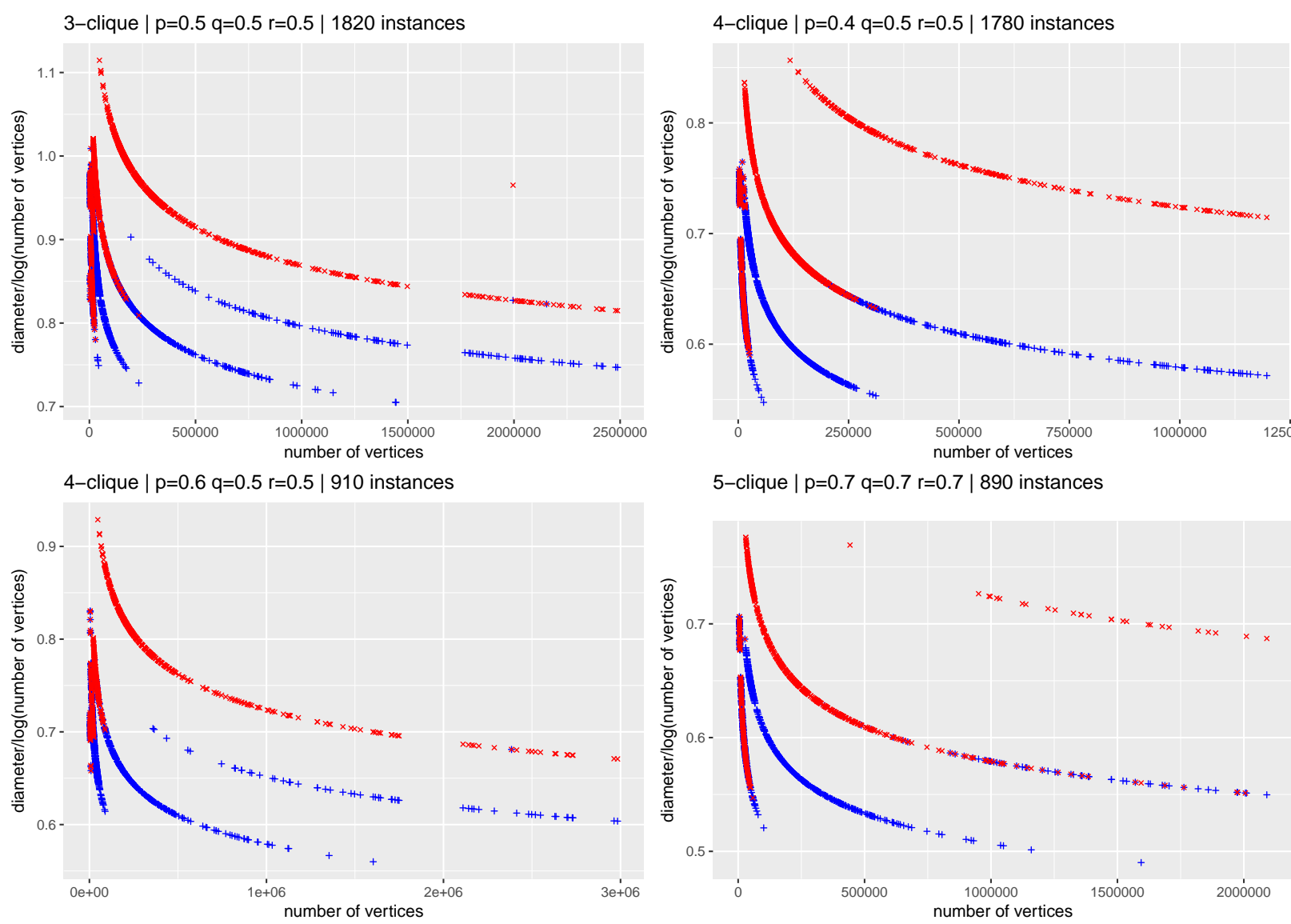
Backhausz and Móri in [BM14] introduced a new class of random graphs based on interactions of three vertices-they proved almost sure results exhibiting the scale free property. The model and the results were further generalized by Fazekas and Porvázsnyik in [FP16].

Scale-free property

asdasd
asdasd
asdasd

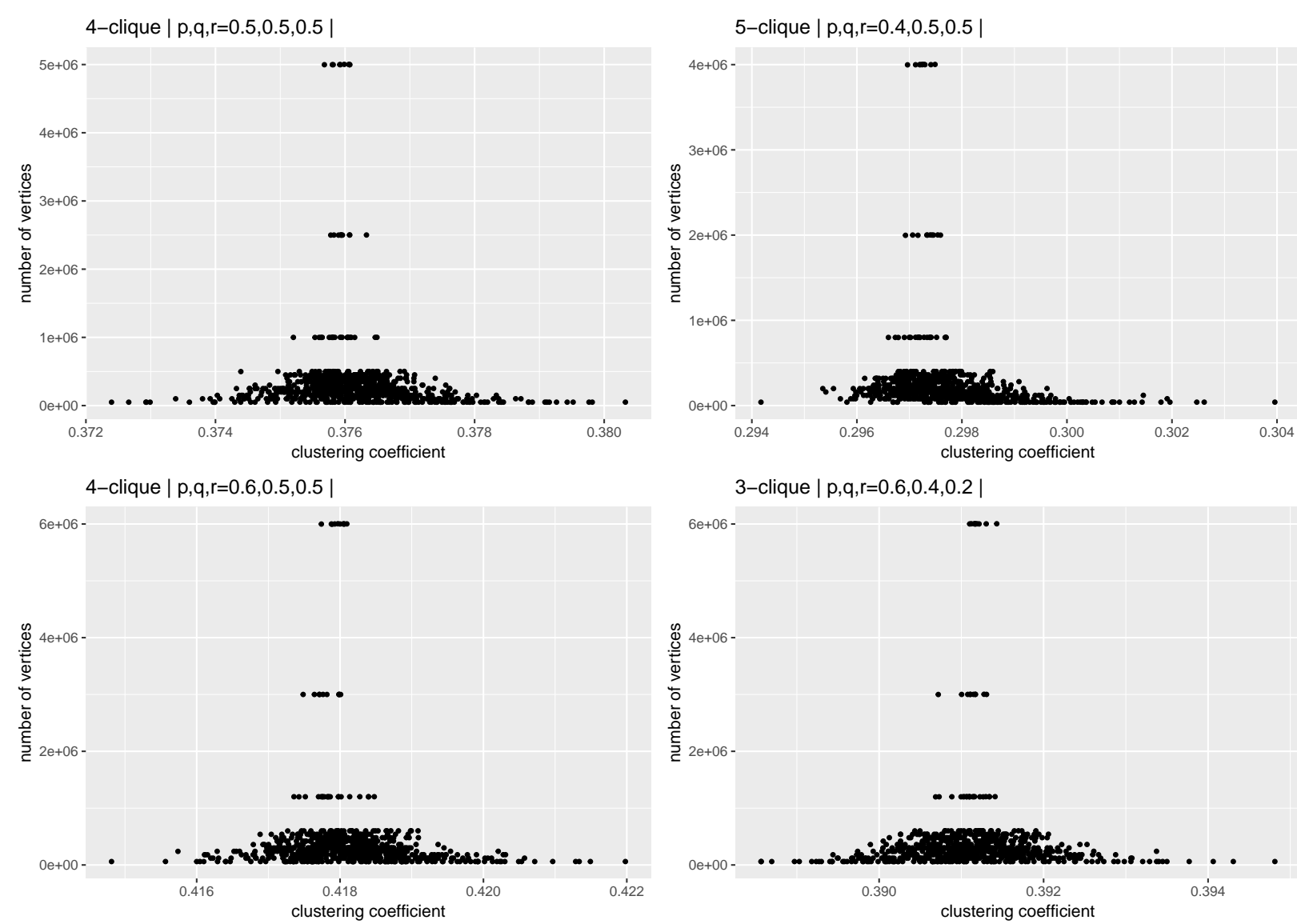


Small-world property



valami

Clustering coefficient

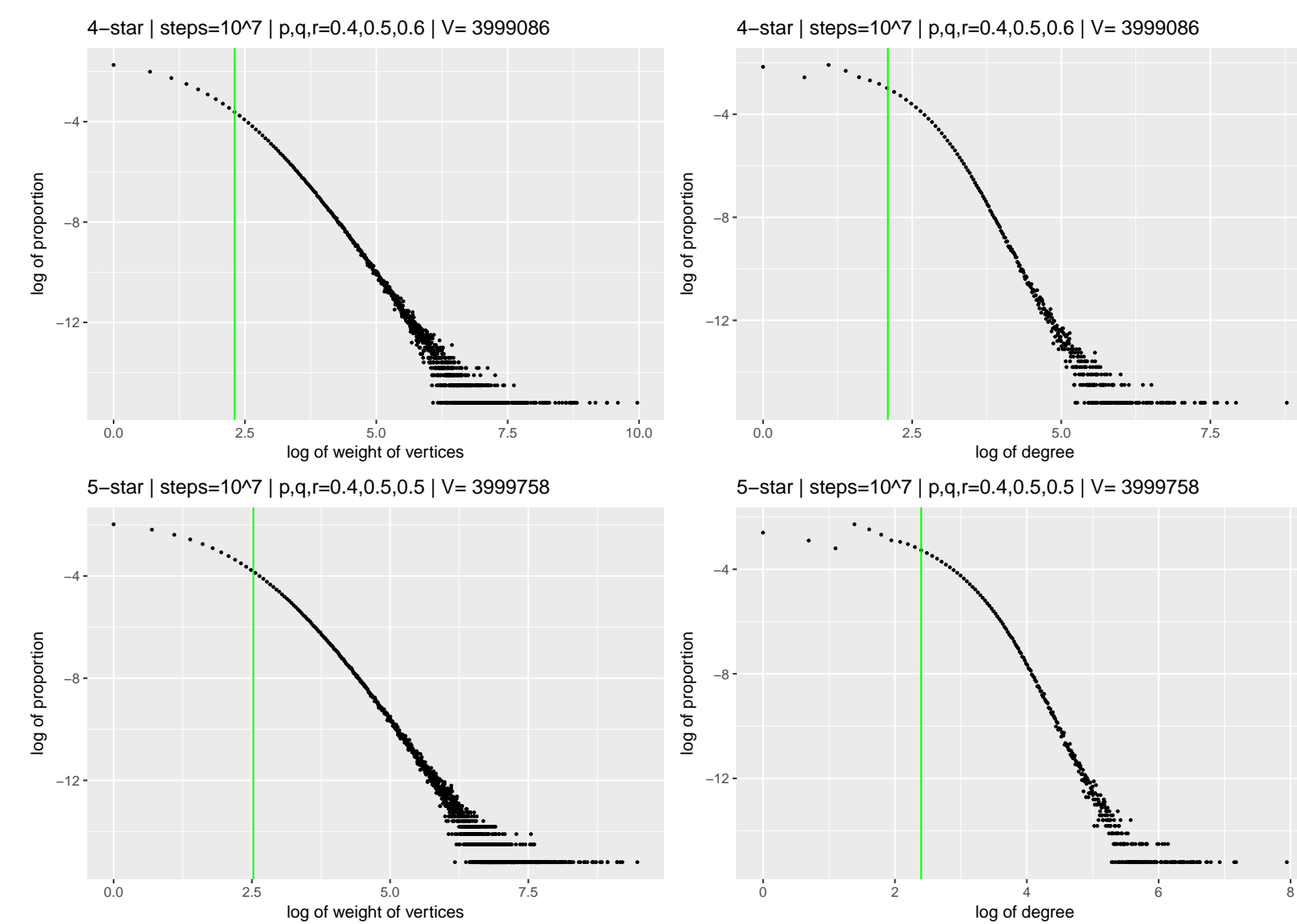


Methods

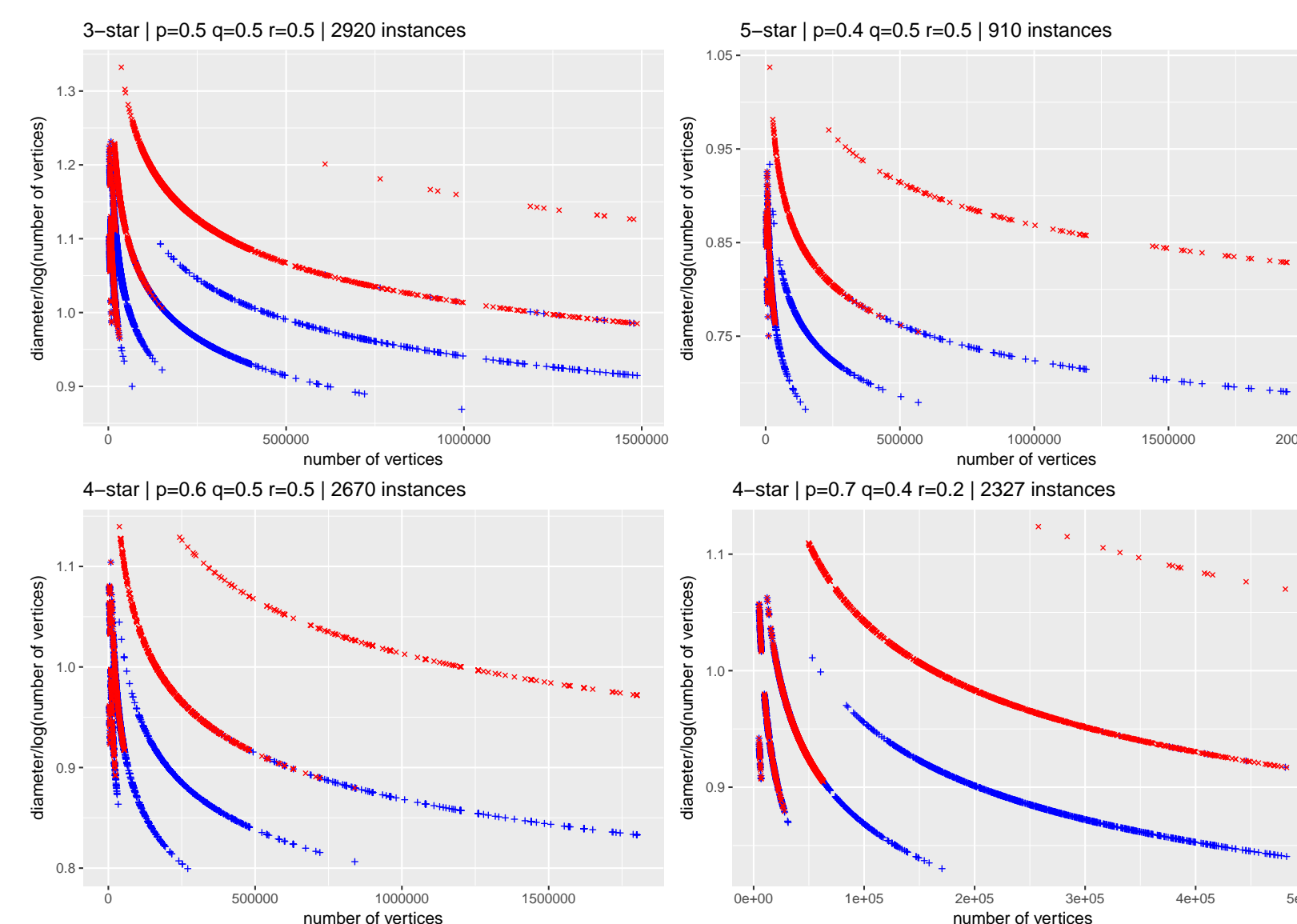
The N-star model

description

Scale-free property



Small-world property



References

[BM14] Agnes Backhausz and Tamas F Mori. “-”. In: *Acta Math. Hungar.* 143 (2014), pp. 23–43.
[FP16] István Fazekas and Bettina Porvázsnyik. “-”. In: *Open Mathematics* 14.1 (2016), pp. 414–424.