random multigraph models: goodness of fit

gof measures between observed and expected edge multiplicity sequence under simple or composite hypothesis

test statistics:

- S of Pearson type
- M A of information divergence type

summary:

- If the convergence of the cdf's of test statistics are rapid and depend on parameters in models
- $oxedow{100}$ approximations can be obtained using adjustments of χ^2 -distributions yielding better power
- $\[\[\] \]$ influence of RSM on both test statistics is substantial for small m: a shift of their distributions towards smaller values compared to what holds true for null distributions under IEA

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significance level $\alpha = 0.05$

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