row	effectName	shortName	endow?	inter1	inter2	parm	ego?
nonSymmetricRate							
43	basic rate parameter xxxxxx	Rate				0	
44	constant xxxxxx rate (period nnnnn)	Rate				0	
45	outdegree effect on rate xxxxxx	outRate				0	
46	indegree effect on rate xxxxxx	inRate				0	
47	reciprocity effect on rate xxxxxx	recipRate				0	
48	effect 1/outdegree on rate xxxxxx	outRateInv				0	
covarNonSymmetricRate							
145	effect xxxxxx on rate	RateX		xxxxxx		0	
symmetricRate							
53	basic rate parameter xxxxxx	Rate				0	
54	constant xxxxxx rate (period nnnnn)	Rate				0	
55	degree effect on rate xxxxxx	degreeRate				0	
56	indegree effect on rate xxxxxx	indegRate				0	
57	reciprocity effect on rate xxxxxx	recipRate				0	
58	effect 1/degree on rate xxxxxx	degRateInv				0	
covarSymmetricRate							
144	effect xxxxxx on rate	RateX		xxxxxx		0	
bipartiteRate							
49	basic rate parameter xxxxxx	Rate				0	
50	constant xxxxxx rate (period nnnnn)	Rate				0	
51	outdegree effect on rate xxxxxx	outRate				0	
52	effect 1/outdegree on rate xxxxxx	outRateInv				0	
covarBipartiteRate							
146	effect xxxxxx on rate	RateX		xxxxxx		0	
behaviorRate							
36	rate xxxxxx period 1	Rate				0	
37	rate xxxxxx (period nnnnn)	Rate				0	
behaviorOneModeRate							
38	outdegree effect on rate xxxxxx	outRate		yyyyyy		0	
39	indegree effect on rate xxxxxx	inRate		yyyyyy		0	
40	reciprocated effect on rate xxxxxx	recipRate		yyyyyy		0	
behaviorBipartiteRate							
41	outdegree effect on rate xxxxxx	outRate		yyyyyy		0	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
42	reciprocated effect on rate xxxxxx	recipRate		yyyyyy		0	
covarBehaviorRate							
96	effect yyyyyy on rate xxxxxx	RateX		yyyyyy		0	
nonSymmetricObjective							
106	outdegree (density)	density	TRUE			0	dyadic
107	reciprocity	recip	TRUE			0	dyadic
108	transitive triplets	transTrip	TRUE			0	
109	transitive mediated triplets	transMedTrip	TRUE			0	
110	3-cycles	cycle3	TRUE			0	
111	transitive ties	transTies	TRUE			0	
112	betweenness	between	FALSE			0	
113	balance	balance	TRUE			0	
114	number of actors at distance 2	nbrDist2	FALSE			0	
115	number pairs at doubly achieved distance 2	nbrDist2twice	FALSE			0	
116	dense triads	denseTriads	FALSE			5	
117	indegree - popularity	inPop	TRUE			0	
118	indegree - popularity (sqrt)	inPopSqrt	TRUE			0	
119	outdegree - popularity	outPop	TRUE			0	
120	outdegree - popularity (sqrt)	outPopSqrt	FALSE			0	
121	indegree - activity	inAct	FALSE			0	
122	indegree - activity (sqrt)	inActSqrt	FALSE			0	
123	outdegree - activity	outAct	FALSE			0	
124	outdegree - activity (sqrt)	outActSqrt	FALSE			0	
125	1/(outdegree + #)	outInv	FALSE			1	
126	1/(outdegree+#)(outdegree+1+#)	outSqInv	FALSE			1	
127	out-out degree^(1/#) assortativity	outOutAss	TRUE			2	
128	out-in degree^(1/#) assortativity	outInAss	TRUE			2	
129	in-out degree^(1/#) assortativity	inOutAss	TRUE			2	
130	in-in degree^(1/#) assortativity	inInAss	TRUE			2	
dyadObjective							
59	xxxxxx	X	TRUE	xxxxxx		0	dyadic
60	xxxxxx x reciprocity	XRecip	TRUE	xxxxxx		0	dyadic
61	WW=>X closure of xxxxxx	WWX	TRUE	xxxxxx		0	
62	WX=>X closure of xxxxxx	WXX	TRUE	xxxxxx		0	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
63	XW=>X closure of xxxxxx	XWX	TRUE	xxxxxx		0	
covarNonSymmetricObjective							
80	xxxxxx alter	altX	TRUE	xxxxxx		0	
81	xxxxxx squared alter	altSqX	TRUE	xxxxxx		0	
82	xxxxxx ego	egoX	TRUE	xxxxxx		0	ego
83	xxxxxx similarity	simX	TRUE	xxxxxx		0	
84	xxxxxx similarity x reciprocity	simRecipX	TRUE	xxxxxx		0	
85	same xxxxxx	sameX	TRUE	xxxxxx		0	
86	same xxxxxx x reciprocity	sameXRecip	TRUE	xxxxxx		0	
87	xxxxxx ego x xxxxxx alter	egoXaltX	TRUE	xxxxxx		0	
88	xxxxxx ego x xxxxxx alter x recipr.	egoXaltXRecip	TRUE	xxxxxx		0	
89	higher xxxxxx	higher	TRUE	xxxxxx		0	
90	xxxxxx of indirect ties	IndTies	FALSE	xxxxxx		0	
91	xxxxxx alter at distance 2	altDist2	TRUE	xxxxxx		0	
92	xxxxxx similarity at distance 2	simDist2	TRUE	xxxxxx		0	
unspecifiedNetInteraction							
147	unspecified interaction effect	unspInt	TRUE			0	
nonSymmetricNonSymmetricObjective							
158	xxxxxx	crprod	TRUE	xxxxxx		0	
159	reciprocity with xxxxxx	crprodRecip	TRUE	xxxxxx		0	
160	mutuality with xxxxxx	crprodMutual	TRUE	xxxxxx		0	
161	indegree^(1/#) xxxxxx popularity	inPopIntn	TRUE	xxxxxx		2	
162	indegree^(1/#) xxxxxx activity	inActIntn	TRUE	xxxxxx		2	
163	outdegree^(1/#) xxxxxx popularity	outPopIntn	TRUE	xxxxxx		2	
164	outdegree^(1/#) xxxxxx activity	outActIntn	TRUE	xxxxxx		2	
165	both indegrees^(1/#) xxxxxx	both	TRUE	xxxxxx		2	
166	betweenness^(1/#) xxxxxx popularity	betweenPop	TRUE	xxxxxx		2	
167	from xxxxxx agreement	from	TRUE	xxxxxx		0	
168	from xxxxxx mutual agr.	fromMutual	TRUE	xxxxxx		0	
169	xxxxxx to agreement	to	TRUE	xxxxxx		0	
170	closure of xxxxxx	closure	TRUE	xxxxxx		0	
nonSymmetricSymmetricObjective							
149	xxxxxx	crprod	TRUE	xxxxxx		0	
150	degree^(1/#) xxxxxx popularity	inPopIntn	TRUE	xxxxxx		2	
151	indegree^(1/#) xxxxxx activity	inActIntn	TRUE	xxxxxx		2	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
152	outdegree^(1/#) xxxxxx popularity	outPopIntn	TRUE	xxxxxx		2	
153	degree^(1/#) xxxxxx activity	inActIntn	TRUE	xxxxxx		2	
154	both degrees^(1/#) xxxxxx	both	TRUE	xxxxxx		2	
155	from xxxxxx agreement	from	TRUE	xxxxxx		0	
156	xxxxxx to agreement	to	TRUE	xxxxxx		0	
157	closure of xxxxxx	closure	TRUE	xxxxxx		0	
nonSymmetricBipartiteObjective							
175	outdegree^(1/#) xxxxxx activity	outActIntn	TRUE	xxxxxx		2	
176	from xxxxxx agreement	from	TRUE	xxxxxx		0	
covarNetNetObjective							
179	from xxxxxx agr. x same yyyyyy	covNetNet	TRUE	xxxxxx	yyyyyy	0	
symmetricObjective							
131	degree (density)	density	TRUE			0	ego
132	transitive triads	transTriads	TRUE			0	
133	transitive ties	transTies	TRUE			0	
134	betweenness	between	FALSE			0	
135	balance	balance	TRUE			0	
136	number of actor pairs at distance 2	nbrDist2	FALSE			0	
137	number pairs at doubly achieved distance 2	nbrDist2Twice	FALSE			0	
138	degree of alter	inPop	TRUE			0	
139	sqrt degree of alter	inPopSqrt	TRUE			0	
140	degree^(1.5)	outActSqrt	FALSE			0	
141	1/(degree + #)	outInv	FALSE			1	
142	1/(degree+#)(degree+1+#)	outSqInv	FALSE			1	
143	degree^(1/#) assortativity	outOutAss	TRUE			2	
dyadObjective							
59	xxxxxx	X	TRUE	xxxxxx		0	dyadic
60	xxxxxx x reciprocity	XRecip	TRUE	xxxxxx		0	dyadic
61	WW=>X closure of xxxxxx	WWX	TRUE	xxxxxx		0	
62	WX=>X closure of xxxxxx	WXX	TRUE	xxxxxx		0	
63	XW=>X closure of xxxxxx	XWX	TRUE	xxxxxx		0	
covarSymmetricObjective							
67	xxxxxx	altX	TRUE	xxxxxx		0	
68	xxxxxx squared	altSqX	TRUE	xxxxxx		0	
69	xxxxxx similarity	simX	TRUE	xxxxxx		0	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
70	same xxxxxx	sameX	TRUE	xxxxxx		0	
71	xxxxxx ego x xxxxxx alter	egoXAlt	TRUE	xxxxxx		0	
72	xxxxxx of indirect ties	IndTies	TRUE	xxxxxx		0	
73	xxxxxx alter at distance 2	altDist2	TRUE	xxxxxx		0	
74	xxxxxx similarity at distance 2	simDist2	TRUE	xxxxxx		0	
unspecifiedNetInteraction							
147	unspecified interaction effect	unspInt	TRUE			0	
bipartiteObjective							
97	outdegree (density)	density	TRUE			0	dyadic
98	4-cycles	cycle4	TRUE			1	
99	indegree - popularity	inPop	TRUE			0	
100	indegree - popularity (sqrt)	inPopSqrt	TRUE			0	
101	outdegree - activity	outAct	FALSE			0	
102	outdegree - activity (sqrt)	outActSqrt	FALSE			0	
103	1/(outdegree + #)	outInv	FALSE			1	
104	1/(outdegree+#)(outdegree+1+#)	outSqInv	FALSE			1	
105	out-in degree^(1/2) assortativity	outInAss	TRUE			2	
dyadObjective							
59	xxxxxx	X	TRUE	xxxxxx		0	dyadic
60	xxxxxx x reciprocity	XRecip	TRUE	xxxxxx		0	dyadic
61	WW=>X closure of xxxxxx	WWX	TRUE	xxxxxx		0	
62	WX=>X closure of xxxxxx	WXX	TRUE	xxxxxx		0	
63	XW=>X closure of xxxxxx	XWX	TRUE	xxxxxx		0	
covarBipartiteObjective							
75	xxxxxx alter	altX	TRUE	xxxxxx		0	
76	xxxxxx squared alter	altSqX	TRUE	xxxxxx		0	
77	xxxxxx ego	egoX	TRUE	xxxxxx		0	ego
78	xxxxxx alter at distance 2	altDist2	TRUE	xxxxxx		0	
79	xxxxxx similarity at distance 2	simDist2	TRUE	xxxxxx		0	
unspecifiedNetInteraction							
147	unspecified interaction effect	unspInt	TRUE			0	
bipartiteNonSymmetricObjective							
171	outdegree^(1/#) xxxxxx activity	outActIntn	TRUE	xxxxxx		2	
172	xxxxxx to agreement	to	TRUE	xxxxxx		0	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
bipartiteSymmetricObjective							
173	degree^(1/#) xxxxxx activity	outActIntn	TRUE	xxxxxx		2	
174	xxxxxx to agreement	to	TRUE	xxxxxx		0	
bipartiteBipartiteObjective							
177	outdegree^(1/#) xxxxxx activity	outActIntn	TRUE	xxxxxx		2	
178	xxxxxx to agreement	to	TRUE	xxxxxx		0	
covarNetNetObjective							
179	from xxxxxx agr. x same yyyyyy	covNetNet	TRUE	xxxxxx	yyyyyy	0	
behaviorObjective							
34	behavior xxxxxx linear shape	linear	TRUE			0	
35	behavior xxxxxx quadratic shape	quad	TRUE			0	
behaviorOneModeObjective							
1	behavior xxxxxx average similarity	avSim	TRUE	yyyyyy		0	
2	behavior xxxxxx total similarity	totSim	TRUE	yyyyyy		0	
3	behavior xxxxxx indegree	indeg	TRUE	yyyyyy		0	
4	behavior xxxxxx outdegree	outdeg	TRUE	yyyyyy		0	
5	behavior xxxxxx isolate	isolate	FALSE	yyyyyy		0	
6	behavior xxxxxx ave. sim. x reciprocity	avSimRecip	FALSE	yyyyyy		0	
7	behavior xxxxxx tot. sim. x reciprocity	totSimRecip	FALSE	yyyyyy		0	
8	behavior xxxxxx ave. sim. x popularity alter	avSimPopAlt	FALSE	yyyyyy		0	
9	behavior xxxxxx tot. sim. x popularity alter	totSimPopAlt	FALSE	yyyyyy		0	
10	behavior xxxxxx x popularity alter	popAlt	FALSE	yyyyyy		0	
11	behavior xxxxxx ave. sim. x rec. x pop. (alter)	avSimRecPop	FALSE	yyyyyy		0	
12	behavior xxxxxx tot. sim. x rec. x pop. (alter)	totSimRecPop	FALSE	yyyyyy		0	
13	behavior xxxxxx average alter	avAlt	TRUE	yyyyyy		0	
14	behavior xxxxxx average rec. alters	avRecAlt	FALSE	yyyyyy		0	
15	behavior xxxxxx dense triads <maybe wrong>	behDenseTriads	FALSE	yyyyyy		5	
16	behavior xxxxxx similarity in dense triads <maybe wrong>	simDenseTriads	FALSE	yyyyyy		5	
17	behavior xxxxxx reciprocated degree	recipDeg	FALSE	yyyyyy		0	
18	behavior xxxxxx ave. sim. x popularity ego	avSimPopEgo	TRUE	yyyyyy		0	
behaviorBipartiteObjective							
20	behavior xxxxxx average similarity	avSim	TRUE	yyyyyy		0	
21	behavior xxxxxx total similarity	totSim	TRUE	yyyyyy		0	
22	behavior xxxxxx outdegree	outdeg	TRUE	yyyyyy		0	
23	behavior xxxxxx isolate	isolate	TRUE	yyyyyy		0	

row	effectName	shortName	endow?	inter1	inter2	parm	ego?
24	behavior xxxxxx ave. sim. x popularity alter	avSimPopAlt	TRUE	yyyyyy		0	
25	behavior xxxxxx tot. sim. x popularity alter	totSimPopAlt	TRUE	yyyyyy		0	
26	behavior xxxxxx x popularity alter	popAlt	TRUE	yyyyyy		0	
27	behavior xxxxxx average alter	avAlt	TRUE	yyyyyy		0	
28	behavior xxxxxx dense triads <maybe wrong>	behDenseTriads	TRUE	yyyyyy		0	
29	behavior xxxxxx similarity in dense triads <maybe wrong>	simDenseTriads	TRUE	yyyyyy		0	
30	behavior xxxxxx ave. sim. x popularity ego	avSimPopEgo	TRUE	yyyyyy		0	
31	xxxxxx alter at distance 2	altDist2	TRUE	xxxxxx		0	
32	xxxxxx similarity at distance 2	simDist2	TRUE	xxxxxx		0	
covarBehaviorObjective							
64	behavior xxxxxx: effect from yyyyyy	effFrom	TRUE	yyyyyy		0	
65	behavior xxxxxx: influence interaction? x yyyyyy	inflIntX	TRUE	yyyyyy	zzzzzz	0	
66	behavior xxxxxx: alter's (zzzzzz) yyyyyy average	AltsAvAlt	TRUE	yyyyyy	zzzzzz	0	
behaviorOneModeObjective2							
19	behavior xxxxxx: infl. one-sided ? x xxxxxx alter	behInfl1sid	TRUE	yyyyyy		0	
behaviorBipartiteObjective2							
33	behavior xxxxxx: infl. one-sided ? x xxxxxx alter	behInfl1sid	TRUE	yyyyyy		0	
unspecifiedBehaviorInteraction							
148	behavior xxxxxx: unspecified interaction	behUnspInt	TRUE			0	