

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

	row	effectName	shortName	endow?	inter1	inter2	parm	ego?	
	40	reciprocated effect on rate	xxxxxx	recipRate		yyyyyy			0
	covarBehaviorRate								
	87	effect yyyyyy on rate	xxxxxx	RateX		yyyyyy			0
	nonSymmetricObjective								
	97	outdegree (density)		density	TRUE				0 dyadic
	98	reciprocity		recip	TRUE				0 dyadic
	99	transitive triplets		transTrip	TRUE				0
	100	transitive mediated triplets		transMedTrip	TRUE				0
	101	3-cycles		cycle3	TRUE				0
	102	transitive ties		transTies	TRUE				0
	103	betweenness		between	FALSE				0
	104	balance		balance	TRUE				0
	105	number of actors at distance 2		nbrDist2	FALSE				0
	106	number pairs at doubly achieved distance 2		nbrDist2twice	FALSE				0
	107	dense triads		denseTriads	FALSE				5
	108	indegree - popularity		inPop	TRUE				0
	109	indegree - popularity (sqrt)		inPopSqrt	TRUE				0
	110	outdegree - popularity		outPop	TRUE				0
	111	outdegree - popularity (sqrt)		outPopSqrt	FALSE				0
	112	indegree - activity		inAct	FALSE				0
	113	indegree - activity (sqrt)		inActSqrt	FALSE				0
	114	outdegree - activity		outAct	FALSE				0
	115	outdegree - activity (sqrt)		outActSqrt	FALSE				0
	116	1/(outdegree + #)		outInv	FALSE				1
	117	1/(outdegree+#)(outdegree+1+#)		outSqInv	FALSE				1
	118	out-out degree^(1/#) assortativity		outOutAss	TRUE				2
	119	out-in degree^(1/#) assortativity		outInAss	TRUE				2
	120	in-out degree^(1/#) assortativity		inOutAss	TRUE				2
	121	in-in degree^(1/#) assortativity		inInAss	TRUE				2
	dyadObjective								
	57	xxxxxx		X	TRUE	xxxxxx			0 dyadic
	58	xxxxxx x reciprocity		XRecip	TRUE	xxxxxx			0 dyadic
	59	WW=>X closure of xxxxxx		WWX	TRUE	xxxxxx			0
	60	WX=>X closure of xxxxxx		WXX	TRUE	xxxxxx			0

	row	effectName	shortName	endow?	inter1	inter2	parm	ego?	
	61	XW=>X closure of xxxxxx		XWX		TRUE	xxxxxxx		0
covarNonSymmetricObjective									
	73	xxxxxxx alter		altX		TRUE	xxxxxxx		0
	74	xxxxxxx squared alter		altSqX		TRUE	xxxxxxx		0
	75	xxxxxxx ego		egoX		TRUE	xxxxxxx	ego	0
	76	xxxxxxx similarity		simX		TRUE	xxxxxxx		0
	77	xxxxxxx similarity x reciprocity		simRecipX		TRUE	xxxxxxx		0
	78	same xxxxxx		sameX		TRUE	xxxxxxx		0
	79	same xxxxxx x reciprocity		sameXRecip		TRUE	xxxxxxx		0
	80	xxxxxxx ego x xxxxxx alter		egoXaltX		TRUE	xxxxxxx		0
	81	xxxxxxx ego x xxxxxx alter x recipr.		egoXaltXRecip		TRUE	xxxxxxx		0
	82	higher xxxxxx		higher		TRUE	xxxxxxx		0
	83	xxxxxxx of indirect ties		IndTies		FALSE	xxxxxxx		0
unspecifiedNetInteraction									
	138	unspecified interaction effect		unspInt		TRUE			0
nonSymmetricNonSymmetricObjective									
	149	xxxxxxx		crprod		TRUE	xxxxxxx		0
	150	reciprocity with xxxxxx		crprodRecip		TRUE	xxxxxxx		0
	151	mutuality with xxxxxx		crprodMutual		TRUE	xxxxxxx		0
	152	indegree^(1/#) xxxxxx popularity		inPopIntn		TRUE	xxxxxxx		2
	153	indegree^(1/#) xxxxxx activity		inActIntn		TRUE	xxxxxxx		2
	154	outdegree^(1/#) xxxxxx popularity		outPopIntn		TRUE	xxxxxxx		2
	155	outdegree^(1/#) xxxxxx activity		outActIntn		TRUE	xxxxxxx		2
	156	both indegrees^(1/#) xxxxxx		both		TRUE	xxxxxxx		2
	157	betweenness^(1/#) xxxxxx popularity		betweenPop		TRUE	xxxxxxx		2
	158	from xxxxxx agreement		from		TRUE	xxxxxxx		0
	159	from xxxxxx mutual agr.		fromMutual		TRUE	xxxxxxx		0
	160	xxxxxxx to agreement		to		TRUE	xxxxxxx		0
	161	closure of xxxxxx		closure		TRUE	xxxxxxx		0
nonSymmetricSymmetricObjective									
	140	xxxxxxx		crprod		TRUE	xxxxxxx		0
	141	degree^(1/#) xxxxxx popularity		inPopIntn		TRUE	xxxxxxx		2
	142	indegree^(1/#) xxxxxx activity		inActIntn		TRUE	xxxxxxx		2
	143	outdegree^(1/#) xxxxxx popularity		outPopIntn		TRUE	xxxxxxx		2
	144	degree^(1/#) xxxxxx activity		inActIntn		TRUE	xxxxxxx		2

	row	effectName	shortName	endow?	inter1	inter2	parm	ego?
145	both	degrees ^{1/#} xxxxxx	both		TRUE	xxxxxx		2
146	from	xxxxxx agreement	from		TRUE	xxxxxx		0
147	xxxxxx	to agreement	to		TRUE	xxxxxx		0
148	closure of	xxxxxx	closure		TRUE	xxxxxx		0
nonSymmetricBipartiteObjective								
166	outdegree ^{1/#} xxxxxx	activity	outActIntn		TRUE	xxxxxx		2
167	from	xxxxxx agreement	from		TRUE	xxxxxx		0
covarNetNetObjective								
170	from	xxxxxx agr. x same	yyyyyy	covNetNet	TRUE	xxxxxx	yyyyyy	0
symmetricObjective								
122	degree	(density)	density		TRUE			0 ego
123	transitive	triads	transTriads		TRUE			0
124	transitive	ties	transTies		TRUE			0
125	betweenness		between		FALSE			0
126	balance		balance		TRUE			0
127	number of actor pairs at distance 2		nbrDist2		FALSE			0
128	number pairs at doubly achieved distance 2		nbrDist2Twice		FALSE			0
129	degree of alter		inPop		TRUE			0
130	sqrt degree of alter		inPopSqrt		TRUE			0
131	degree ^{1.5}		outActSqrt		FALSE			0
132	1/(degree + #)		outInv		FALSE			1
133	1/(degree+#)(degree+1+#)		outSqInv		FALSE			1
134	degree ^{1/#} assortativity		outOutAss		TRUE			2
dyadObjective								
57	xxxxxx		X		TRUE	xxxxxx		0 dyadic
58	xxxxxx x reciprocity		XRecip		TRUE	xxxxxx		0 dyadic
59	WW=>X closure of	xxxxxx	WWX		TRUE	xxxxxx		0
60	WX=>X closure of	xxxxxx	WXX		TRUE	xxxxxx		0
61	XW=>X closure of	xxxxxx	XWX		TRUE	xxxxxx		0
covarSymmetricObjective								
64	xxxxxx		altX		TRUE	xxxxxx		0
65	xxxxxx squared		altSqX		TRUE	xxxxxx		0
66	xxxxxx similarity		simX		TRUE	xxxxxx		0
67	same	xxxxxx	sameX		TRUE	xxxxxx		0
68	xxxxxx ego x	xxxxxx alter	egoXAlt		TRUE	xxxxxx		0

	row	effectName	shortName	endow?	inter1	inter2	parm	ego?	
	69	xxxxxxx of indirect ties	IndTies			TRUE	xxxxxxx		0
unspecifiedNetInteraction									
	138	unspecified interaction effect	unspInt			TRUE			0
bipartiteObjective									
	88	outdegree (density)	density			TRUE			0 dyadic
	89	4-cycles	4-cycles			TRUE			1
	90	indegree - popularity	inPop			TRUE			0
	91	indegree - popularity (sqrt)	inPopSqrt			TRUE			0
	92	outdegree - activity	outAct			FALSE			0
	93	outdegree - activity (sqrt)	outActSqrt			FALSE			0
	94	1/(outdegree + #)	outInv			FALSE			1
	95	1/(outdegree+#)(outdegree+1+#)	outSqInv			FALSE			1
	96	out-in degree^(1/2) assortativity	outInAss			TRUE			2
dyadObjective									
	57	xxxxxxx	X			TRUE	xxxxxxx		0 dyadic
	58	xxxxxxx x reciprocity	XRecip			TRUE	xxxxxxx		0 dyadic
	59	WW=>X closure of xxxxxxx	WWX			TRUE	xxxxxxx		0
	60	WX=>X closure of xxxxxxx	WXX			TRUE	xxxxxxx		0
	61	XW=>X closure of xxxxxxx	XWX			TRUE	xxxxxxx		0
covarBipartiteObjective									
	70	xxxxxxx alter	altX			TRUE	xxxxxxx		0
	71	xxxxxxx squared alter	altSqX			TRUE	xxxxxxx		0
	72	xxxxxxx ego	egoX			TRUE	xxxxxxx		0 dyadic
unspecifiedNetInteraction									
	138	unspecified interaction effect	unspInt			TRUE			0
bipartiteNonSymmetricObjective									
	162	outdegree^(1/#) xxxxxx activity	outActIntn			TRUE	xxxxxxx		2
	163	xxxxxxx to agreement	to			TRUE	xxxxxxx		0
bipartiteSymmetricObjective									
	164	degree^(1/#) xxxxxx activity	outActIntn			TRUE	xxxxxxx		2
	165	xxxxxxx to agreement	to			TRUE	xxxxxxx		0
bipartiteBipartiteObjective									
	168	outdegree^(1/#) xxxxxx activity	outActIntn			TRUE	xxxxxxx		2
	169	xxxxxxx to agreement	to			TRUE	xxxxxxx		0

	row	effectName	shortName	endow?	inter1	inter2	parm	ego?	
covarNetNetObjective									
	170	from xxxxxx agr. x same yyyyyy	covNetNet		TRUE	xxxxxx	yyyyyy		0
behaviorObjective									
	32	behavior xxxxxx linear shape	linear		TRUE				0
	33	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
	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

	row	effectName	shortName	endow?	inter1	inter2	parm	ego?		
	30	behavior xxxxxx	ave. sim. x popularity ego			avSimPopEgo	TRUE	yyyyyy		0
covarBehaviorObjective										
	62	behavior xxxxxx:	effect from yyyyyy			effFrom	TRUE	yyyyyy		0
	63	behavior xxxxxx:	influence interaction? x yyyyyy			inflIntX	TRUE	yyyyyy	zzzzzz	0
behaviorOneModeObjective2										
	19	behavior xxxxxx:	infl. one-sided ? x xxxxxx alter			behInfl1sid	TRUE	yyyyyy		0
behaviorBipartiteObjective2										
	31	behavior xxxxxx:	infl. one-sided ? x xxxxxx alter			behInfl1sid	TRUE	yyyyyy		0
unspecifiedBehaviorInteraction										
	139	behavior xxxxxx:	unspecified interaction			behUnspInt	TRUE			0