| row | effectName | shortName | endow? | inter1 | inter2 | parm | interactionType |
|---|---|---|---|---|---|---|---|
| nonSymmetricRate | | | | | | | |
| 63 | basic rate parameter xxxxxx | Rate | FALSE | | | 0 | |
| 64 | constant xxxxxx rate (period nnnnnn) | Rate | FALSE | | | 0 | |
| 65 | outdegree effect on rate xxxxxx | outRate | FALSE | | | 0 | |
| 66 | indegree effect on rate xxxxxx | inRate | FALSE | | | 0 | |
| 67 | reciprocity effect on rate xxxxxx | recipRate | FALSE | | | 0 | |
| 68 | effect 1/outdegree on rate xxxxxx | outRateInv | FALSE | | | 0 | |
| 69 | effect ln(outdegree+1) on rate xxxxxx | outRateLog | FALSE | | | 1 | |
| covarNonSymmetricRate | | | | | | | |
| 200 | effect xxxxxx on rate | RateX | FALSE | xxxxxx | | 0 | |
| symmetricRate | | | | | | | |
| 75 | basic rate parameter xxxxxx | Rate | FALSE | | | 0 | |
| 76 | constant xxxxxx rate (period nnnnnn) | Rate | FALSE | | | 0 | |
| 77 | degree effect on rate xxxxxx | outRate | FALSE | | | 0 | |
| 78 | effect 1/degree on rate xxxxxx | outRateInv | FALSE | | | 0 | |
| 79 | effect ln(degree+1) on rate xxxxxx | outRateLog | FALSE | | | 1 | |
| covarSymmetricRate | | | | | | | |
| 199 | effect xxxxxx on rate | RateX | FALSE | xxxxxx | | 0 | |
| bipartiteRate | | | | | | | |
| 70 | basic rate parameter xxxxxx | Rate | FALSE | | | 0 | |
| 71 | constant xxxxxx rate (period nnnnnn) | Rate | FALSE | | | 0 | |
| 72 | outdegree effect on rate xxxxxx | outRate | FALSE | | | 0 | |
| 73 | effect 1/outdegree on rate xxxxxx | outRateInv | FALSE | | | 0 | |
| 74 | effect ln(outdegree+1) on rate xxxxxx | outRateLog | FALSE | | | 1 | |
| covarBipartiteRate | | | | | | | |
| 201 | effect xxxxxx on rate | RateX | FALSE | xxxxxx | | 0 | |
| behaviorRate | | | | | | | |
| 48 | rate xxxxxx period 1 | Rate | FALSE | | | 0 | |
| 49 | rate xxxxxx (period nnnnnn) | Rate | FALSE | | | 0 | |
| behaviorOneModeRate | | | | | | | |
| 50 | outdegree effect on rate xxxxxx | outRate | FALSE | yyyyyy | | 0 | |
| 51 | indegree effect on rate xxxxxx | inRate | FALSE | yyyyyy | | 0 | |
| 52 | reciprocated effect on rate xxxxxx | recipRate | FALSE | yyyyyy | | 0 | |
| 53 | average exposure effect on rate xxxxxx | avExposure | FALSE | yyyyyy | | 0 | |

| row | effectName | shortName | endow? | inter1 | inter2 | parm | interactionType |
|---|---|---|---|---|---|---|---|
| 54 | susceptibility to av. exp. by indegree effect on rate xxxxxx | susceptAvIn | FALSE | yyyyyy | | 0 | |
| 55 | total exposure effect on rate xxxxxx | totExposure | FALSE | yyyyyy | | 0 | |
| 56 | infection by indegree effect on rate xxxxxx | infectIn | FALSE | yyyyyy | | 0 | |
| 57 | infection by outdegree effect on rate xxxxxx | infectOut | FALSE | yyyyyy | | 0 | |
| behaviorSymmetricRate | | | | | | | |
| 58 | degree effect on rate xxxxxx | outRate | FALSE | yyyyyy | | 0 | |
| covarBehaviorOneModeRate | | | | | | | |
| 59 | susceptibility to av. exp. by zzzzzz effect on rate xxxxxx | susceptAvCovar | FALSE | yyyyyy | zzzzzz | 0 | |
| 60 | infection by zzzzzz effect on rate xxxxxx | infectCovar | FALSE | yyyyyy | zzzzzz | 0 | |
| behaviorBipartiteRate | | | | | | | |
| 61 | outdegree effect on rate xxxxxx | outRate | FALSE | yyyyyy | | 0 | |
| 62 | reciprocated effect on rate xxxxxx | recipRate | FALSE | yyyyyy | | 0 | |
| covarBehaviorRate | | | | | | | |
| 127 | effect yyyyyy on rate xxxxxx | RateX | FALSE | yyyyyy | | 0 | |
| nonSymmetricObjective | | | | | | | |
| 143 | outdegree (density) | density | TRUE | | | 0 | dyadic |
| 144 | reciprocity | recip | TRUE | | | 0 | dyadic |
| 145 | transitive triplets | transTrip | TRUE | | | 0 | |
| 146 | transitive mediated triplets | transMedTrip | TRUE | | | 0 | |
| 147 | transitive reciprocated triplets | transRecTrip | TRUE | | | 0 | |
| 148 | 3-cycles | cycle3 | TRUE | | | 0 | |
| 149 | transitive ties | transTies | TRUE | | | 0 | |
| 150 | betweenness | between | FALSE | | | 0 | |
| 151 | balance | balance | TRUE | | | 0 | |
| 152 | number of actors at distance 2 | nbrDist2 | FALSE | | | 0 | |
| 153 | number pairs at doubly achieved distance 2 | nbrDist2twice | FALSE | | | 0 | |
| 154 | dense triads | denseTriads | FALSE | | | 5 | |
| 155 | GWESP I -> K -> J (#) | gwespFF | FALSE | | | 69 | |
| 156 | GWESP I <- K <- J (#) | gwespBB | FALSE | | | 69 | |
| 157 | GWESP I <- K -> J (#) | gwespFB | FALSE | | | 69 | |
| 158 | GWESP I -> K <- J (#) | gwespBF | FALSE | | | 69 | |
| 159 | GWESP I <> K <> J (#) | gwespRR | FALSE | | | 69 | |
| 160 | indegree - popularity | inPop | TRUE | | | 0 | |
| 161 | indegree - popularity (sqrt) | inPopSqrt | TRUE | | | 0 | |
| 162 | outdegree - popularity | outPop | TRUE | | | 0 | dyadic |

| row | effectName | shortName | endow? | inter1 | inter2 | parm | interactionType |
|---|---|---|---|---|---|---|---|
| 163 | outdegree - popularity (sqrt) | outPopSqrt | FALSE | | | 0 | dyadic |
| 164 | indegree - activity | inAct | FALSE | | | 0 | ego |
| 165 | indegree - activity (sqrt) | inActSqrt | FALSE | | | 0 | ego |
| 166 | outdegree - activity | outAct | FALSE | | | 0 | |
| 167 | outdegree - activity (sqrt) | outActSqrt | FALSE | | | 0 | |
| 168 | outdegree-trunc(#) | outTrunc | FALSE | | | 1 | |
| 169 | outdegree-trunc(#) | outTrunc2 | FALSE | | | 5 | |
| 170 | 1/(outdegree + #) | outInv | FALSE | | | 1 | |
| 171 | 1/(outdegree+#)(outdegree+1+#) | outSqInv | FALSE | | | 1 | |
| 172 | in-isolate Outdegree | inIsDegree | FALSE | | | 0 | ego |
| 173 | network-isolate | isolateNet | FALSE | | | 0 | ego |
| 174 | anti isolates | antiIso | TRUE | | | 0 | ego |
| 175 | anti in-isolates | antiInIso | TRUE | | | 0 | ego |
| 176 | anti in-near-isolates | antiInIso2 | TRUE | | | 0 | ego |
| 177 | isolate - popularity | isolatePop | TRUE | | | 0 | ego |
| 178 | out-out degree^(1/#) assortativity | outOutAss | TRUE | | | 2 | |
| 179 | out-in degree^(1/#) assortativity | outInAss | TRUE | | | 2 | |
| 180 | in-out degree^(1/#) assortativity | inOutAss | TRUE | | | 2 | |
| 181 | in-in degree^(1/#) assortativity | inInAss | TRUE | | | 2 | |
| 182 | in-struct equivalence | inStructEq | FALSE | | | 0 | |
| dyadObjective | | | | | | | |
| 80 | xxxxxx | X | TRUE | xxxxxx | | 0 | dyadic |
| 81 | xxxxxx x reciprocity | XRecip | TRUE | xxxxxx | | 0 | dyadic |
| 82 | WW=>X closure of xxxxxx | WWX | TRUE | xxxxxx | | 0 | dyadic |
| 83 | WW=>X cyclic closure of xxxxxx | cyWWX | TRUE | xxxxxx | | 0 | dyadic |
| 84 | WW=>X shared incoming xxxxxx | InWWX | TRUE | xxxxxx | | 0 | dyadic |
| 85 | WW=>X shared outgoing xxxxxx | OutWWX | TRUE | xxxxxx | | 0 | dyadic |
| 86 | WX=>X closure of xxxxxx | WXX | TRUE | xxxxxx | | 0 | dyadic |
| 87 | XW=>X closure of xxxxxx | XWX | TRUE | xxxxxx | | 0 | |
| covarNonSymmetricObjective | | | | | | | |
| 108 | xxxxxx alter | altX | TRUE | xxxxxx | | 0 | dyadic |
| 109 | xxxxxx squared alter | altSqX | TRUE | xxxxxx | | 0 | dyadic |
| 110 | xxxxxx ego | egoX | TRUE | xxxxxx | | 0 | ego |
| 111 | xxxxxx similarity | simX | TRUE | xxxxxx | | 0 | dyadic |
| 112 | xxxxxx similarity x reciprocity | simRecipX | TRUE | xxxxxx | | 0 | dyadic |

| row | effectName | shortName | endow? | inter1 | inter2 | parm | interactionType |
|---|---|---|---|---|---|---|---|
| 113 | transitive triplets xxxxxx similarity | simXTransTrip | TRUE | xxxxxx | | 0 | dyadic |
| 114 | same xxxxxx | sameX | TRUE | xxxxxx | | 0 | dyadic |
| 115 | same xxxxxx x reciprocity | sameXRecip | TRUE | xxxxxx | | 0 | dyadic |
| 116 | transitive triplets same xxxxxx | sameXTransTrip | TRUE | xxxxxx | | 0 | |
| 117 | transitive triplets jumping xxxxxx | jumpXTransTrip | TRUE | xxxxxx | | 0 | |
| 118 | xxxxxx ego x xxxxxx alter | egoXaltX | TRUE | xxxxxx | | 0 | dyadic |
| 119 | xxxxxx ego x xxxxxx alter x recipr. | egoXaltXRecip | TRUE | xxxxxx | | 0 | dyadic |
| 120 | higher xxxxxx | higher | TRUE | xxxxxx | | 0 | dyadic |
| 121 | xxxxxx of indirect ties | IndTies | FALSE | xxxxxx | | 0 | dyadic |
| 122 | xxxxxx alter at distance 2 (#) | altDist2 | TRUE | xxxxxx | | 1 | dyadic |
| 123 | xxxxxx similarity at distance 2 | simDist2 | TRUE | xxxxxx | | 0 | dyadic |
| unspecifiedNetInteraction | | | | | | | |
| 202 | unspecified interaction effect | unspInt | TRUE | | | 0 | |
| nonSymmetricNonSymmetricObjective | | | | | | | |
| 213 | xxxxxx | crprod | TRUE | xxxxxx | | 0 | dyadic |
| 214 | reciprocity with xxxxxx | crprodRecip | TRUE | xxxxxx | | 0 | dyadic |
| 215 | mutuality with xxxxxx | crprodMutual | TRUE | xxxxxx | | 0 | dyadic |
| 216 | indegree^(1/#) xxxxxx popularity | inPopIntn | TRUE | xxxxxx | | 2 | dyadic |
| 217 | indegree^(1/#) xxxxxx activity | inActIntn | TRUE | xxxxxx | | 2 | ego |
| 218 | outdegree^(1/#) xxxxxx popularity | outPopIntn | TRUE | xxxxxx | | 2 | dyadic |
| 219 | outdegree^(1/#) xxxxxx activity | outActIntn | TRUE | xxxxxx | | 2 | dyadic |
| 220 | both indegrees^(1/#) xxxxxx | both | TRUE | xxxxxx | | 2 | dyadic |
| 221 | betweenness^(1/#) xxxxxx popularity | betweenPop | TRUE | xxxxxx | | 2 | dyadic |
| 222 | from xxxxxx agreement | from | TRUE | xxxxxx | | 0 | dyadic |
| 223 | from xxxxxx mutual agr. | fromMutual | TRUE | xxxxxx | | 0 | dyadic |
| 224 | xxxxxx to agreement | to | TRUE | xxxxxx | | 0 | dyadic |
| 225 | closure of xxxxxx | closure | TRUE | xxxxxx | | 0 | dyadic |
| 226 | cyclic closure of xxxxxx | cyClosure | TRUE | xxxxxx | | 0 | dyadic |
| 227 | shared incoming xxxxxx | sharedIn | TRUE | xxxxxx | | 0 | dyadic |
| nonSymmetricSymmetricObjective | | | | | | | |
| 204 | xxxxxx | crprod | TRUE | xxxxxx | | 0 | dyadic |
| 205 | degree^(1/#) xxxxxx popularity | inPopIntn | TRUE | xxxxxx | | 2 | dyadic |
| 206 | indegree^(1/#) xxxxxx activity | inActIntn | TRUE | xxxxxx | | 2 | ego |
| 207 | outdegree^(1/#) xxxxxx popularity | outPopIntn | TRUE | xxxxxx | | 2 | dyadic |
| 208 | degree^(1/#) xxxxxx activity | inActIntn | TRUE | xxxxxx | | 2 | ego |

| row | effectName | shortName | endow? | inter1 | inter2 | parm | interactionType |
|---|---|---|---|---|---|---|---|
| 209 | both degrees^(1/#) xxxxxx | both | TRUE | xxxxxx | | 2 | dyadic |
| 210 | from xxxxxx agreement | from | TRUE | xxxxxx | | 0 | dyadic |
| 211 | xxxxxx to agreement | to | TRUE | xxxxxx | | 0 | dyadic |
| 212 | closure of xxxxxx | closure | TRUE | xxxxxx | | 0 | dyadic |
| nonSymmetricBipartiteObjective | | | | | | | |
| 232 | outdegree^(1/#) xxxxxx popularity | outPopIntn | TRUE | xxxxxx | | 2 | dyadic |
| 233 | outdegree^(1/#) xxxxxx activity | outActIntn | TRUE | xxxxxx | | 2 | dyadic |
| 234 | from xxxxxx agreement | from | TRUE | xxxxxx | | 0 | dyadic |
| covarNetNetObjective | | | | | | | |
| 238 | from xxxxxx agr. x same yyyyyy | covNetNet | TRUE | xxxxxx | yyyyyy | 0 | dyadic |
| 239 | xxxxxx closure jumping yyyyyy | jumpWWClosure | TRUE | xxxxxx | yyyyyy | 0 | dyadic |
| 240 | mixed xxxxxx closure jumping yyyyyy | jumpWXClosure | TRUE | xxxxxx | yyyyyy | 0 | dyadic |
| 241 | yyyyyy alter at distance 2 on xxxxxx (#) | altDist2W | TRUE | xxxxxx | yyyyyy | 1 | |
| 242 | yyyyyy similarity at distance 2 on xxxxxx | simDist2W | TRUE | xxxxxx | yyyyyy | 0 | |
| symmetricObjective | | | | | | | |
| 183 | degree (density) | density | TRUE | | | 0 | ego |
| 184 | transitive triads | transTriads | TRUE | | | 0 | |
| 185 | transitive ties | transTies | TRUE | | | 0 | |
| 186 | betweenness | between | FALSE | | | 0 | |
| 187 | balance | balance | TRUE | | | 0 | |
| 188 | number of actor pairs at distance 2 | nbrDist2 | FALSE | | | 0 | |
| 189 | number pairs at doubly achieved distance 2 | nbrDist2twice | FALSE | | | 0 | |
| 190 | degree of alter | inPop | TRUE | | | 0 | |
| 191 | sqrt degree of alter | inPopSqrt | TRUE | | | 0 | |
| 192 | degree^(1.5) | outActSqrt | FALSE | | | 0 | |
| 193 | outdegree-trunc(#) | outTrunc | FALSE | | | 1 | |
| 194 | outdegree-trunc(#) | outTrunc2 | FALSE | | | 5 | |
| 195 | 1/(degree + #) | outInv | FALSE | | | 1 | |
| 196 | 1/(degree+#)(degree+1+#) | outSqInv | FALSE | | | 1 | |
| 197 | network-isolate | isolateNet | FALSE | | | 0 | ego |
| 198 | degree^(1/#) assortativity | outOutAss | TRUE | | | 2 | |
| dyadObjective | | | | | | | |
| 80 | xxxxxx | X | TRUE | xxxxxx | | 0 | dyadic |
| 81 | xxxxxx x reciprocity | XRecip | TRUE | xxxxxx | | 0 | dyadic |
| 82 | WW=>X closure of xxxxxx | WWX | TRUE | xxxxxx | | 0 | dyadic |

| row | effectName | shortName | endow? | inter1 | inter2 | parm | interactionType |
|---|---|---|---|---|---|---|---|
| 83 | WW=>X cyclic closure of xxxxxx | cyWWX | TRUE | xxxxxx | | 0 | dyadic |
| 84 | WW=>X shared incoming xxxxxx | InWWX | TRUE | xxxxxx | | 0 | dyadic |
| 85 | WW=>X shared outgoing xxxxxx | OutWWX | TRUE | xxxxxx | | 0 | dyadic |
| 86 | WX=>X closure of xxxxxx | WXX | TRUE | xxxxxx | | 0 | dyadic |
| 87 | XW=>X closure of xxxxxx | XWX | TRUE | xxxxxx | | 0 | |
| covarSymmetricObjective | | | | | | | |
| 95 | xxxxxx | altX | TRUE | xxxxxx | | 0 | dyadic |
| 96 | xxxxxx squared | altSqX | TRUE | xxxxxx | | 0 | dyadic |
| 97 | xxxxxx similarity | simX | TRUE | xxxxxx | | 0 | dyadic |
| 98 | same xxxxxx | sameX | TRUE | xxxxxx | | 0 | dyadic |
| 99 | xxxxxx ego x xxxxxx alter | egoXaltX | TRUE | xxxxxx | | 0 | dyadic |
| 100 | xxxxxx of indirect ties | IndTies | FALSE | xxxxxx | | 0 | dyadic |
| 101 | xxxxxx alter at distance 2 (#) | altDist2 | TRUE | xxxxxx | | 1 | dyadic |
| 102 | xxxxxx similarity at distance 2 | simDist2 | TRUE | xxxxxx | | 0 | dyadic |
| unspecifiedNetInteraction | | | | | | | |
| 202 | unspecified interaction effect | unspInt | TRUE | | | 0 | |
| bipartiteObjective | | | | | | | |
| 128 | outdegree (density) | density | TRUE | | | 0 | dyadic |
| 129 | 4-cycles | cycle4 | TRUE | | | 1 | |
| 130 | indegree - popularity | inPop | TRUE | | | 0 | |
| 131 | indegree - popularity (sqrt) | inPopSqrt | TRUE | | | 0 | |
| 132 | outdegree - activity | outAct | FALSE | | | 0 | |
| 133 | outdegree - activity (sqrt) | outActSqrt | FALSE | | | 0 | |
| 134 | outdegree-trunc(#) | outTrunc | FALSE | | | 1 | |
| 135 | outdegree-trunc(#) | outTrunc2 | FALSE | | | 5 | |
| 136 | 1/(outdegree + #) | outInv | FALSE | | | 1 | |
| 137 | 1/(outdegree+#)(outdegree+1+#) | outSqInv | FALSE | | | 1 | |
| 138 | anti in-isolates | antiInIso | TRUE | | | 0 | ego |
| 139 | anti in-near-isolates | antiInIso2 | TRUE | | | 0 | ego |
| 140 | 1/(outdegree + #) | outInv | FALSE | | | 1 | |
| 141 | 1/(outdegree+#)(outdegree+1+#) | outSqInv | FALSE | | | 1 | |
| 142 | out-in degree^(1/2) assortativity | outInAss | TRUE | | | 2 | |
| dyadObjective | | | | | | | |
| 80 | xxxxxx | X | TRUE | xxxxxx | | 0 | dyadic |
| 81 | xxxxxx x reciprocity | XRecip | TRUE | xxxxxx | | 0 | dyadic |

| row | effectName | shortName | endow? | inter1 | inter2 | parm | interactionType |
|---|---|---|---|---|---|---|---|
| 82 | WW=>X closure of xxxxxx | WWX | TRUE | xxxxxx | | 0 | dyadic |
| 83 | WW=>X cyclic closure of xxxxxx | cyWWX | TRUE | xxxxxx | | 0 | dyadic |
| 84 | WW=>X shared incoming xxxxxx | InWWX | TRUE | xxxxxx | | 0 | dyadic |
| 85 | WW=>X shared outgoing xxxxxx | OutWWX | TRUE | xxxxxx | | 0 | dyadic |
| 86 | WX=>X closure of xxxxxx | WXX | TRUE | xxxxxx | | 0 | dyadic |
| 87 | XW=>X closure of xxxxxx | XWX | TRUE | xxxxxx | | 0 | |
| covarBipartiteObjective | | | | | | | |
| 103 | xxxxxx alter | altX | TRUE | xxxxxx | | 0 | dyadic |
| 104 | xxxxxx squared alter | altSqX | TRUE | xxxxxx | | 0 | dyadic |
| 105 | xxxxxx ego | egoX | TRUE | xxxxxx | | 0 | ego |
| 106 | xxxxxx alter at distance 2 | altDist2 | TRUE | xxxxxx | | 1 | dyadic |
| 107 | xxxxxx similarity at distance 2 | simDist2 | TRUE | xxxxxx | | 0 | dyadic |
| unspecifiedNetInteraction | | | | | | | |
| 202 | unspecified interaction effect | unspInt | TRUE | | | 0 | |
| bipartiteNonSymmetricObjective | | | | | | | |
| 228 | outdegree^(1/#) xxxxxx activity | outActIntn | TRUE | xxxxxx | | 2 | dyadic |
| 229 | xxxxxx to agreement | to | TRUE | xxxxxx | | 0 | dyadic |
| bipartiteSymmetricObjective | | | | | | | |
| 230 | degree^(1/#) xxxxxx activity | outActIntn | TRUE | xxxxxx | | 2 | dyadic |
| 231 | xxxxxx to agreement | to | TRUE | xxxxxx | | 0 | dyadic |
| bipartiteBipartiteObjective | | | | | | | |
| 235 | xxxxxx | crprod | TRUE | xxxxxx | | 0 | dyadic |
| 236 | indegree^(1/#) xxxxxx popularity | inPopIntn | TRUE | xxxxxx | | 2 | dyadic |
| 237 | outdegree^(1/#) xxxxxx activity | outActIntn | TRUE | xxxxxx | | 2 | dyadic |
| covarNetNetObjective | | | | | | | |
| 238 | from xxxxxx agr. x same yyyyyy | covNetNet | TRUE | xxxxxx | yyyyyy | 0 | dyadic |
| 239 | xxxxxx closure jumping yyyyyy | jumpWWClosure | TRUE | xxxxxx | yyyyyy | 0 | dyadic |
| 240 | mixed xxxxxx closure jumping yyyyyy | jumpWXClosure | TRUE | xxxxxx | yyyyyy | 0 | dyadic |
| 241 | yyyyyy alter at distance 2 on xxxxxx (#) | altDist2W | TRUE | xxxxxx | yyyyyy | 1 | |
| 242 | yyyyyy similarity at distance 2 on xxxxxx | simDist2W | TRUE | xxxxxx | yyyyyy | 0 | |
| behaviorObjective | | | | | | | |
| 46 | behavior xxxxxx linear shape | linear | TRUE | | | 0 | OK |
| 47 | behavior xxxxxx quadratic shape | quad | TRUE | | | 0 | |
| behaviorOneModeObjective | | | | | | | |

| row | effectName | shortName | endow? | inter1 | inter2 | parm | interactionType |
|---|---|---|---|---|---|---|---|
| 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 | OK |
| 4 | behavior xxxxxx outdegree | outdeg | TRUE | yyyyyy | | 0 | OK |
| 5 | behavior xxxxxx isolate | isolate | FALSE | yyyyyy | | 0 | OK |
| 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 | OK |
| 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 | OK |
| 14 | behavior xxxxxx average rec. alters | avRecAlt | FALSE | yyyyyy | | 0 | OK |
| 15 | behavior xxxxxx dense triads | behDenseTriads | FALSE | yyyyyy | | 5 | OK |
| 16 | behavior xxxxxx similarity in dense triads | simDenseTriads | FALSE | yyyyyy | | 5 | OK |
| 17 | behavior xxxxxx reciprocated degree | recipDeg | FALSE | yyyyyy | | 0 | OK |
| 18 | behavior xxxxxx ave. sim. x popularity ego | avSimPopEgo | TRUE | yyyyyy | | 0 | |
| behaviorSymmetricObjective | | | | | | | |
| 19 | behavior xxxxxx average similarity | avSim | TRUE | yyyyyy | | 0 | |
| 20 | behavior xxxxxx total similarity | totSim | TRUE | yyyyyy | | 0 | |
| 21 | behavior xxxxxx degree | outdeg | TRUE | yyyyyy | | 0 | OK |
| 22 | behavior xxxxxx isolate | isolate | FALSE | yyyyyy | | 0 | OK |
| 23 | behavior xxxxxx ave. sim. x reciprocity | avSimRecip | FALSE | yyyyyy | | 0 | |
| 24 | behavior xxxxxx tot. sim. x reciprocity | totSimRecip | FALSE | yyyyyy | | 0 | |
| 25 | behavior xxxxxx ave. sim. x popularity alter | avSimPopAlt | FALSE | yyyyyy | | 0 | |
| 26 | behavior xxxxxx tot. sim. x popularity alter | totSimPopAlt | FALSE | yyyyyy | | 0 | |
| 27 | behavior xxxxxx x popularity alter | popAlt | FALSE | yyyyyy | | 0 | OK |
| 28 | behavior xxxxxx ave. sim. x rec. x pop. (alter) | avSimRecPop | FALSE | yyyyyy | | 0 | |
| 29 | behavior xxxxxx tot. sim. x rec. x pop. (alter) | totSimRecPop | FALSE | yyyyyy | | 0 | |
| 30 | behavior xxxxxx average alter | avAlt | TRUE | yyyyyy | | 0 | OK |
| 31 | behavior xxxxxx average rec. alters | avRecAlt | FALSE | yyyyyy | | 0 | OK |
| 32 | behavior xxxxxx dense triads | behDenseTriads | FALSE | yyyyyy | | 5 | OK |
| 33 | behavior xxxxxx similarity in dense triads | simDenseTriads | FALSE | yyyyyy | | 5 | OK |

| row | effectName | shortName | endow? | inter1 | inter2 | parm | interactionType |
|---|---|---|---|---|---|---|---|
| 34 | behavior xxxxxx ave. sim. x popularity ego | avSimPopEgo | TRUE | yyyyyy | | 0 | |
| behaviorBipartiteObjective | | | | | | | |
| 35 | behavior xxxxxx average similarity | avSim | TRUE | yyyyyy | | 0 | |
| 36 | behavior xxxxxx total similarity | totSim | TRUE | yyyyyy | | 0 | |
| 37 | behavior xxxxxx outdegree | outdeg | TRUE | yyyyyy | | 0 | OK |
| 38 | behavior xxxxxx isolate | isolate | FALSE | yyyyyy | | 0 | OK |
| 39 | behavior xxxxxx ave. sim. x popularity alter | avSimPopAlt | FALSE | yyyyyy | | 0 | |
| 40 | behavior xxxxxx tot. sim. x popularity alter | totSimPopAlt | FALSE | yyyyyy | | 0 | |
| 41 | behavior xxxxxx x popularity alter | popAlt | FALSE | yyyyyy | | 0 | OK |
| 42 | behavior xxxxxx average alter | avAlt | TRUE | yyyyyy | | 0 | OK |
| 43 | behavior xxxxxx dense triads | behDenseTriads | FALSE | yyyyyy | | 0 | OK |
| 44 | behavior xxxxxx similarity in dense triads | simDenseTriads | FALSE | yyyyyy | | 0 | OK |
| 45 | behavior xxxxxx ave. sim. x popularity ego | avSimPopEgo | TRUE | yyyyyy | | 0 | |
| covarBehaviorObjective | | | | | | | |
| 89 | behavior xxxxxx: effect from yyyyyy | effFrom | TRUE | yyyyyy | | 0 | OK |
| covarBehaviorNetObjective | | | | | | | |
| 90 | behavior xxxxxx: tot. sim. (zzzzzz) x alter's yyyyyy | totSimAltX | TRUE | yyyyyy | zzzzzz | 0 | OK |
| 91 | behavior xxxxxx: av. sim. (zzzzzz) x alter's yyyyyy | avSimAltX | TRUE | yyyyyy | zzzzzz | 0 | OK |
| 92 | behavior xxxxxx: av. alters (zzzzzz) x alter's yyyyyy | avAltAltX | TRUE | yyyyyy | zzzzzz | 0 | OK |
| 93 | behavior xxxxxx: alter's (zzzzzz) yyyyyy average | AltsAvAlt | TRUE | yyyyyy | zzzzzz | 0 | OK |
| 94 | behavior xxxxxx: alter's (zzzzzz) yyyyyy average | AltsAvAlt | TRUE | yyyyyy | zzzzzz | 0 | OK |
| 95 | xxxxxx | altX | TRUE | xxxxxx | | 0 | dyadic |
| 96 | xxxxxx squared | altSqX | TRUE | xxxxxx | | 0 | dyadic |
| unspecifiedBehaviorInteraction | | | | | | | |
| 203 | behavior xxxxxx: unspecified interaction | behUnspInt | TRUE | | | 0 | |