10.10   Quick reference

e, s, dat, sv	Define file names: equation prefix (.f,.f90,.c), restart solution suffix (s.), user data prefix (.dat), output suffix (b.,s.,d.)
unames, parnames	Dictionary (mapping) of U(*) and PAR(*) to user-defined names
NDIM	Problem dimension
IPS	Problem type; 0=AE, 1=FP(ODEs), -1=FP(maps), 2=PO, -2=IVP, 4=BVP, 7=BVP with Floquet multipliers, 5=algebraic optimization problem, 15=optimization of periodic solutions
IRS, TY	Start solution label, start solution type
ILP	Fold detection; 1=on, 0=off
ICP	Continuation parameters
NTST	# mesh intervals
NCOL	# collocation points
IAD	Mesh adaption every IAD steps; 0=off
ISP	Bifurcation detection; 0=off, 1=BP(FP), 3=BP(PO,BVP), 2=all
ISW	Branch switching; 1=normal, -1=switch branch (BP, HB, PD), 2=switch to two-parameter continuation (LP, BP, HB, TR) 3=switch to three-parameter continuation (BP)
IPLT	Select principal solution measure
NBC	# boundary conditions
NINT	# integral conditions
NMX	Maximum number of steps
RL0, RL1	Parameter interval $RL0 \leq \lambda \leq RL1$
A0, A1	Interval of principal solution measure $A0 \leq \| \cdot \| \leq A1$
NPR	Print and save restart data every NPR steps
MXBF	Automatic branch switching for the first MXBF bifurcation points if IPS=0, 1
IBR, LAB	Set initial branch and label number; 0=automatic
IIS	Control solution output of branch direction vector; 0=never, 3=always
IID	Control diagnostic output; 0=none, 1=little, 2=normal, 4=extensive
ITMX	Maximum # of iterations for locating special solutions/points
ITNW	Maximum # of correction steps
NWTN	Corrector uses full newton for NWTN steps
JAC	User defines derivatives; 0=no, 1=yes
EPSL, EPSU, EPSS	Convergence criterion: parameters, solution components, special points
DS	Start step size
DSMIN, DSMAX	Step size interval DSMIN $\leq h \leq$ DSMAX
IADS	Step size adaption every IADS steps; 0=off
NPAR	Maximum number of parameters
THL, THU	list of parameter and solution weights
UZR, UZSTOP	list of values for user defined output
SP, STOP	list of bifurcations to check and bifurcation stop conditions
NUNSTAB, NSTAB	HomCont: unstable and stable manifold dimensions
IEQUIB, ITWIST, ISTART	HomCont: control solution types adjoint, starting
IREV, IFIXED, IPSI	HomCont: control reversibility, fixed parameters, test functions