```
% Configurations for the Extended Perturnation
setupEPer.Nmax             = 200;       %Max steps in the Extended Path solution
setupEPer.Nmin             = 50;        %Min steps in the Extended Path solution
setupEPer.maxDistSS        = 0.001;     %Max distance to SS when determining N
setupEPer.orderAppStart    = 4;         %Order of approximation for the starting values
                                        %in the fixed point solver (max 4th order)
setupEPer.fixedPointSolver= 1;          %1 for the Newton-Raphson solver,
                                        %2 Newton-Raphson solver with optimal delta,
                                        %3 for an LM algorithm that minimizes the residuals
                                        %4 for an LM algorithm that minimizes the weighted residuals
setupEPer.JacobianOption  = 3;          %1 for using numerical J and numerically
                                        %  solving the system J*x = -f
                                        %2 for using analytical J to solve the system J*x = -f
                                        %3 for using analytical J computed recursively to solve
                                        %  the system J*x = -f
setupEPer.lambda0          = 1e-6;      %Tuining parameter for fixedPointSolver = 3
setupEPer.lambdaBackup     = 1e-2;      %Tuining parameter for the LM algorithm when used as backup
setupEPer.tolf             = 1e-6;      %Tolerance level for optimization problem
setupEPer.MaxIter          = 1D4;       %Maximum number of iterations allowed in the Extended Path
algorithm
setupEPer.residualMax      = 0.0001;    %Max allowed value of a residual - for the hybrid simulator
setupEPer.MexOn            = 1;         %1 For using MEX-files, else 0
```