```
string
              +path word
    StructRSPathResult
   + path_length_unitless
+ valid
   + path_steps
   + active
   + setName()
   + setValid()
   + reset()
   + setActive()
   + setInactive()
   + getName()
               +RmSmRm90Lp
               +RpSpRp90Lm
               +LpRupLumRm
                 +RpLpRm
                 +RmLpRp
                 +RpLmRp
              +LpRm90SmLm
                 +LmSmLm
               +LpSpLp90Rm
               +RmLp90SpRp
    ClassReedSheppPath
      ::PathCollection
    + LpSpLp
    + LpSpRp
    + LmSmRm
    + RpSpRp
    + RpSpLp
    + RmSmRm
+ RmSmLm
    + RmLpRm
    + RpLmRm
    + RpLpRp
    and 32 more...
    + PathCollection()
    + resetAllPaths()
               +m all curves
  ClassReedsSheppSolver
+ m vector path results
+ ClassReedsSheppSolver()
+ ~ClassReedsSheppSolver()
+ setup()
+ search()
+ get_paťh()
+ calc_fix_frame_dxdy()
```