```
GQCP::BaseOrbitalOptimizer
  # is_converged
  # convergence_
                  threshold
  # maximum_number_of_iterations
# number_of_iterations
  + BaseOrbitalOptimizer()
  + ~BaseOrbitalOptimizer()
  + calculateNewRotationMatrix()
  + checkForConvergence()
  + prepareConvergenceChecking()
+ numberOfIterations()
  + optimize()
                   Д
    GQCP::NewtonOrbitalOptimizer
# hessian_modifier
# gradient
# hessian
+ NewtonOrbitalOptimizer()
+ ~NewtonOrbitalOptimizer()
+ calculateGradientMatrix()
+ calculateHessianTensor()
+ calculateNewFullOrbitalGenerators()
+ prepareOrbitalDerivatives
Calculation()
+ calculateNewRotationMatrix()
+ checkForConvergence()
+ prepareConvergenceChecking()
+ calculateGradientVector()
+ calculateHessianMatrix()
+ calculateNewFreeOrbitalGenerators()
+ directionFromIndefiniteHessian()
+ newtonStepIsWellDefined()
GQCP::QCMethodNewtonOrbital
               Optimizer
# D
# d
+ ~QCMethodNewtonOrbitalOptimizer()
+ calculate1DM()
+ calculate2DM()
+ prepareDMCalculation()
+ calculateGradientMatrix()
+ calculateHessianTensor()
+ prepareOrbitalDerivatives
Calculation()
+ oneDM()
+ twoDM()
+ NewtonOrbitalOptimizer()
GQCP::DOCINewtonOrbitalOptimizer
       < _EigenproblemSolver >
+ DOCINewtonOrbitalOptimizer()
+ calculate1DM()
+ calculate2DM()
 + calculateNewFullOrbitalGenerators()
 + prepareDMCalculation()
 + eigenpair()
 + eigenpairs()
 + makeLinearExpansion()
```