

```
/_w/GQCP/GQCP/gqcp  
/include/Mathematical  
/Optimization/Eigenproblem  
/Davidson/MatrixVectorProductCalculation.hpp
```

```
graph TD; A["/_w/GQCP/GQCP/gqcp  
/include/Mathematical  
/Optimization/Eigenproblem  
/Davidson/MatrixVectorProductCalculation.hpp"] <--> B["/_w/GQCP/GQCP/gqcp  
/include/Mathematical  
/Optimization/Eigenproblem  
/Davidson/DavidsonSolver.hpp"]; B <--> C["/_w/GQCP/GQCP/gqcp  
/include/gqcp.hpp"]; C <--> A;
```

A diagram illustrating the relationships between three header files. The top box (shaded gray) represents `MatrixVectorProductCalculation.hpp`. The middle box (white) represents `DavidsonSolver.hpp`. The bottom box (white) represents `gqcp.hpp`. Blue arrows indicate dependencies: straight arrows point from the middle box to both the top and bottom boxes, and curved arrows point from the bottom box back to both the top and middle boxes, forming a cycle.

```
/_w/GQCP/GQCP/gqcp  
/include/Mathematical  
/Optimization/Eigenproblem  
/Davidson/DavidsonSolver.hpp
```

```
/_w/GQCP/GQCP/gqcp  
/include/gqcp.hpp
```