```
LAPACKFullMatrix< Number >
                ٨
  LAPACKFullMatrixExt
          < Number >
  - state
  tau
  - work
  - iwork
  + LAPACKFullMatrixExt()
  + LAPACKFullMatrixE
                           Ext()
  + LAPACKFullMatrixExt()
  + LAPACKFullMatrixExt()
  + LAPACKFullMatrixExt()
+ LAPACKFullMatrixExt()
                           xt()
  + LAPACKFullMatrixExt()
  + LAPACKFullMatrixExt()
  + LAPACKFullMatrixExt()
  + LAPACKFullMatrixExt()
  + operator=()
  + operator=()
  + reinit()
  + set_column_zeros()
  + set_row_zeros()
  + get_row()
+ get_column()
  + get_
  + remove_row()
  + remove rows()
  + keep_first_n_rows()
  + remove_column()
+ remove_columns()
  + keep_first_n_columns()
  + svd()
  + svd()
  + reduced_svd()
  + rank()
  + qr()
  + reduced qr()
  + scale_rows()
  + scale_rows()
  + scale_columns()
+ scale_columns()
  + scale columns()
  + transpose()
  + transpose()
  + fill()
  + fill()
  + fill_rows()
  + fill_row()
  + fill_cols()
+ fill_col()
  + hstack()
  + vstack()
  + rank_k_decompose()
  + rank_k_decompose()
+ rank_k_decompose()
  + add()
  + add()
  + mmult()
  + invert_by_gauss_elim()
          _formatted_to_mat()
  + print_format
+ ZeroMatrix()
  + ConstantMatrix()
  + DiagMatrix()
  + IdentityMatrix()
  + Reshape()
```

+ reduced_svd_on_AxBT() + reduced_svd_on_AxBT()