```
LAPACKFullMatrix< Number >
                   Δ
LAPACKFullMatrixExt
             < Number >

    state

    property

tau
- work

    iwork

- ipiv
+ LAPACKFullMatrixExt()
+ operator=()
+ operator=()
+ reinit()
+ set_column_zeros()
+ set_row_zeros()
+ get_row()
+ get_column()
+ remove_row()
+ remove_rows()
+ keep_first_n_rows()
+ remove_column()
+ remove_columns()
+ keep_first_n_columns()
+ svd()
+ svd()
+ reduced_svd()
+ reduced_svd()
+ compute_lu_factorization()
+ compute_cholesky_factorization()
+ get_lu_permutation()
+ get_lu_permutation()
+ 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()
+ rank_k_decompose()
+ rank_k_decompose()
+ add()
+ add()
+ add()
+ add()
+ mmult()
+ mmult()
+ mTmult()
+ mTmult()
+ invert_by_gauss_elim()
+ set_property()
+ solve_by_forward_substitution()
+ solve_by_forward_substitution()
+ solve_by_backward_substitution()
+ solve_by_backward_substitution()
+ print_formatted_to_mat()
+ print_formatted_t
+ read_from_mat()
+ ZeroMatrix()
+ ConstantMatrix()
+ DiagMatrix()
+ IdentityMatrix()
+ Reshape()
+ reduced_svd_on_AxBT()
+ reduced_svd_on_AxBT()
+ reduced_svd_on_AxBT()
```