```
mtk::Matrix
encoded_operator_
storage_

    ordering

- num_rows_
- num_cols_
      values
- num
- leading_dimension_
num_low_diags_num_upp_diags_
- bandwidth
and 8 more..
+ Matrix()
+ Matrix()
+ ~Matrix()
+ encoded_operator()
+ storage()
+ ordering()
+ num_rows()
+ num_cols()
+ num_values()
+ leading_dimension()
and 24 more...
ComputeNumValues()

    ComputeLeadingDimension()

- ComputeBandwidth()
ComputeNumNonNull()
ComputeAbsDensity()
ComputeAbsSparsity()
ComputeNumNonZero()

    ComputeRelDensity()

    ComputeRelSparsity()

                -matrix properties
      mtk::DenseMatrix
  - data
  + operator=()
  + operator==()
  + DenseMatrix()
  + DenseMatrix()
  + DenseMatrix()
  + DenseMatrix()
  + DenseMatrix()
  + ~DenseMatrix()
  + encoded_operator()
  + set encoded_operator()
  and 11 more...
  + Kron()
                -gradient
         mtk::Grad2D
  - order_accuracy
  - mimetic threshold
  + Grad2D()
  + Grad2D()
   + ~Grad2D()
```

+ ConstructGrad2D() + ReturnAsDenseMatrix()