

# PBblas/ Converted

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## IMPORTS

PBblas | PBblas.Types | ML\_Core.Types |

## DESCRIPTIONS

### **MODULE** Converted

	Converted
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Module to convert between ML\_Core/Types Field layouts (i.e. NumericField and DiscreteField) and PBblas matrix layout (i.e. Layout\_Cell)

### Children

1. [NFToMatrix](#) : Convert NumericField dataset to Matrix
2. [DFToMatrix](#) : Convert DiscreteField dataset to Matrix
3. [MatrixToNF](#) : Convert Matrix to NumericField dataset
4. [MatrixToDF](#) : Convert Matrix to DiscreteField dataset

## FUNCTION NFToMatrix

Converted \

<code>DATASET(Layout_Cell)</code>	<b>NFToMatrix</b>
<code>(DATASET(NumericField) recs)</code>	

Convert NumericField dataset to Matrix

**PARAMETER** recs Record Dataset in DATASET(NumericField) format

**RETURN** Matrix in DATASET(Layout\_Cell) format

**SEE** PBblas/Types.Layout\_Cell

**SEE** ML\_Core/Types.NumericField

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## FUNCTION DFToMatrix

Converted \

<code>DATASET(Layout_Cell)</code>	<b>DFToMatrix</b>
<code>(DATASET(DiscreteField) recs)</code>	

Convert DiscreteField dataset to Matrix

**PARAMETER** recs Record Dataset in DATASET(DiscreteField) format

**RETURN** Matrix in DATASET(Layout\_Cell) format

**SEE** PBblas/Types.Layout\_Cell

**SEE** ML\_Core/Types.DiscreteField

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## FUNCTION MatrixToNF

Converted \

DATASET(NumericField)	MatrixToNF
(DATASET(Layout_Cell) mat)	

Convert Matrix to NumericField dataset

**PARAMETER** mat Matrix in DATASET(Layout\_Cell) format

**RETURN** NumericField Dataset

**SEE** PBblas/Types.Layout\_Cell

**SEE** ML\_Core/Types.NumericField

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## FUNCTION MatrixToDF

Converted \

DATASET(DiscreteField)	MatrixToDF
(DATASET(Layout_Cell) mat)	

Convert Matrix to DiscreteField dataset

**PARAMETER** mat Matrix in DATASET(Layout\_Cell) format

**RETURN** DiscreteField Dataset

**SEE** PBblas/Types.Layout\_Cell

**SEE** ML\_Core/Types.DiscreteField

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