dimm

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IMPORTS

std.BLAS | std.BLAS.Types |

DESCRIPTIONS

EMBED dimm

Types.matrix_t	dimm
(BOOLEAN transposeA, BOOLEAN transposeB, BOOLEAN diagonalA, BOOLEAN diagonalB, Types.dimension_t m, Types.dimension_t n, Types.dimension_t k, Types.value_t alpha, Types.matrix_t A, Types.matrix_t B, Types.value_t beta=0.0, Types.matrix_t C=[])	

Matrix multiply when either A or B is a diagonal and is passed as a vector. alpha*op(A) op(B) + beta*C where op() is transpose

PARAMETER **transposeA** true when transpose of A is used

PARAMETER **transposeB** true when transpose of B is used

PARAMETER **diagonalA** true when A is the diagonal matrix

PARAMETER **diagonalB** true when B is the diagonal matrix

PARAMETER **m** number of rows in product

PARAMETER **n** number of columns in product

PARAMETER **k** number of columns/rows for the multiplier/multiplicand

PARAMETER **alpha** scalar used on A

PARAMETER **A** matrix A

PARAMETER **B** matrix B

PARAMETER **beta** scalar for matrix C

PARAMETER **C** matrix C or empty
